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JAMECO[®]

ELECTRONICS

Catalog 132
June 2013



Programmed LED Light Show



Arduino Starter Kit, Microcontroller and Shields

Whether you're a beginner to the open-source Arduino platform or an experienced veteran, there are plenty of products available to keep you busy building the next great project.



Microcontrollers & Shields on pages 160-162

★ Web Code: ARD

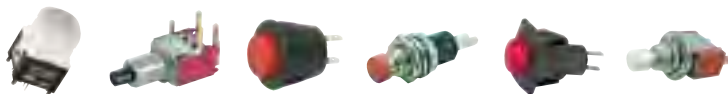
NEW
MARKED IN PINK

Part No.	Mfr.	Part No.	Description	Price
2171188		K000007	Arduino Starter Kit w/ Uno microcontroller, USB cable, breadboard, Arduino Projects book w/ 15 different builds, and all the basic components necessary to get started	\$99.95
2171436		A000095	Esplora microcontroller board w/ Atmega32U4 AVR, built-in sensors, joystick, 2 Tinker kit connectors, micro USB connection, and a socket for a color TFT display	59.95
2152420		A000081	MEGA Rev. 3 Protoshield kit, multilayer PCB design, with ICSP header slot, two SOIC prototyping areas, and prototyping components: headers, resistors, LEDs, pushbuttons	14.95
2152411		A000080	MEGA Rev. 3 Protoshield printed circuit board, PCB only. For full protoshield kit, see P/N 2152420 above	6.49



Pushbutton Switches

Every day we press many, many buttons, so it's critical that they work. These pushbutton switches are highly reliable with a life expectancy of millions of operations.



Pushbutton Switches on page 68

★ Web Code: UBU

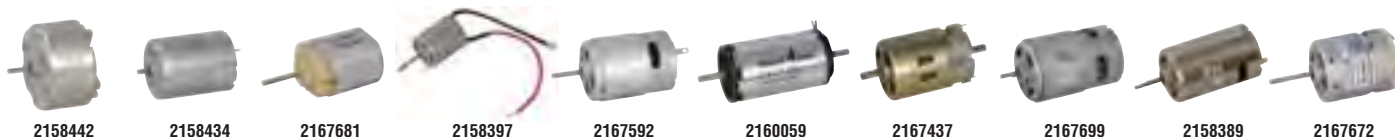
Part No.	Mfr.	Contact Form	Contact Rating	Pins	Mounting Hole Dia.	Dimensions (L" x W" x D")	Terminal Type	Button Color	1	10	100
2155111	NKK Switches	SPST off-(on)	0.1A @ 12VDC	5	0.591"	0.59 x 0.59 x 0.91	PC pin	Clear	\$4.95	\$4.49	\$3.95
71643	ValuePro	SPST off-(on)	1A @ 120VAC	2	0.219"	0.36 x 0.20 x 0.33	PC right angle	Black	2.95	2.59	2.39
106112	Mountain Switch	SPST off-(on)	3A @ 110VAC	2	0.734"	0.66 (D) x 0.63 (T)	Solder lugs	Red	1.95	1.75	1.59
26623	ValuePro	SPST off-(on)	3A @ 125VAC	2	0.250"	0.65 (D) x 1.1 (T)	Solder lugs	Red	.75	.69	.59
174414	ValuePro	SPST off-(on)	3A @ 125VAC	2	0.500"	0.82 (D) x 1.0 (T)	Solder lugs	Red	.95	.85	.75
121305	ValuePro	SPDT on-(on)	1A @ 120VAC	3	0.520"	0.52" x 0.27 x 0.38	Solder lugs	White	3.75	3.49	3.15



DC Direct Drive Motors

These motors provide exactly what you would expect. Efficient direct power that will be reliable in your applications for years to come.

NEW
MARKED IN PINK



DC Motors on page 82

★ Web Code: FBN

Part No.	Mfr.	Nominal Voltage (V)	Voltage Range (V)	Efficiency (%)	© Maximum Efficiency			Terminal Type	Pricing		
					Current (mA)	Speed (RPM)	Torque (g-cm)		1	10	100
2158442	Nichibo	3	1-3	60	175	2104	68.0	0.07" solder	\$2.25	\$1.95	\$1.75
2158434	Nichibo	6	1-6	63	450	4787	173.3	0.15" solder	1.95	1.75	1.49
2167681	Nichibo	12	1.6-16	47	200	5624	71.2	Pin contacts	2.95	2.59	2.25
2158397	ReliaPro	12	5-12	--	160	3000	35.0	5.0" wires	2.49	2.25	1.95
2167592	Nichibo	12	6-18	72	750	7205	83.3	0.26" solder	3.25	2.95	2.59
2160059	Maxon	12	6-18	75	60	8020	144.8	23" wires	9.95	8.95	7.95
2167437	Johnson Motors	12	12-18	--	3200	18000	4654	0.11" solder	14.95	13.49	11.95
2167699	Nichibo	14.4	1-20	73	18	17606	9750	0.34" solder	11.95	10.49	8.95
2158389	ReliaPro	24	1-24	62	150	6500	949	0.2" solder	5.95	4.95	3.95
2167672	Nichibo	24	3-30	47	61	2475	97.2	0.2" solder	3.49	2.95	2.49



Diffused Lens LEDs

Not all LEDs are made equal and it's the subtle differences that really make them shine! These LEDs have a diffused lens which provides better viewing at all angles and the 2-pin package makes it easy to connect multiple LEDs in series.

- Viewing angle: P/Ns 2168421/2169846/2174881: 120°-140°; P/N 2157271: 40°
- Forward voltage: 3.0V @ 20mA

2157271: Internal transistor for auto blink/color rotate

* Order in multiples of 10

Part No	Size	Color	Brightness (mcd)	1	10	100	1000
2168421	T1 (3mm)	Blue	5000	* .19	.15	.12	.12
2169846	T1 (3mm)	Green	5000	* .19	.15	.12	.12
2174881	T1 (3mm)	White	8000	* .19	.15	.12	.12
2157271	T1-¾ (5mm)	Red/Green/Blue	300/300/300	1.49	1.35	1.19	1.09

LEDs on pages 20-23



2169846



Hydrogen Fuel Cell Products

★ Web Code: NRG

Replace 1000 disposable AA batteries with a single Hydrostik cartridge!

- Refill the Hydrostik cartridge with 99.9% hydrogen using the Hydrofill station
- Place the Hydrostik into the MiniPak for hours of portable power
- MiniPak delivers up to 2W DC power
- Universal USB port for multiple devices
- Safe for transport on-board aircraft cabins
- P/N 2163073 includes: (1) Hydrostik cartridge 0.5W LED flashlight, USB connector tips and adapters, plastic storage pouch



Part No	Description	1	5
2153861	Hydrofill refueling station	\$269.95	\$249.95
2163073	MiniPak power supply	99.95	94.95
2163090	Hydrostik fuel cartridge	12.95	11.95

Old Technology Sparkles

The Golden Gate Bridge historically has gotten most of the attention, but its sibling, the San Francisco-Oakland Bay Bridge, is older, longer and carries more drivers. This year it's getting a serious facelift.

The new eastern span of the Bay Bridge will open later this year, replacing the earthquake-vulnerable cantilever portion which first opened in 1936. Scheduled to open this Labor Day, the new self-anchored suspension section will include a planned 525-foot tower and will become the longest such structure, measuring 2,047 feet in length.

This cover photo features the western span of the bridge, which recently received an electronic makeover. The Bay Lights project consists of over 25,000 white LEDs, 100,000 feet of cabling and 60,000 zip ties. Added to the bridge's vertical support cables, they create animated light for the landmark.

Visible from San Francisco's waterfront, the Bay Lights sculpture is programmed to create a series of patterns that are inspired by everything from the weather to the tides and even the volume of traffic on the bridge. You can create your own

programmed LED experience with the newly added LED products from Macetech featured on the back cover and ThingM on page 24.

Using between 150-175 kwh of electricity each night it costs about \$30 a day to operate. You can see the lights in real time any evening (from dusk until 2am) by visiting TheBayLights.org/view.

In many ways, the Bay Bridge is the perfect symbol of Jameco's product offering. We offer standard electronic components that are as vital today as when we first opened our doors and we're actively adding new technologies with increased functionality and reduced power requirements. We're thrilled to have the new Bay Bridge in our backyard.

Cover Copyright © Vicki Mar Photography



Rendering of the New Bay Bridge

The Jameco Difference

Customer Service

We work hard to provide the best customer service in the industry. Our management team's first priority is listening and responding to customer feedback. You can email the management team directly at Management@Jameco.com with your feedback and expect a prompt and personal response.



Improved Shipping Options

Jameco has been hard at work expanding shipping options which for many have significantly reduced shipping costs. Whether you are looking for low pricing on air shipping or just want it as inexpensive as possible, Jameco's expanded options start at less than \$4.



Selection

If you want great service, low prices and a reliable supplier of low-cost electronic components, turn to Jameco first. We carry house brands, factory over-runs and are franchised with over 200 name brands color-coded throughout the catalog. Look for our spec-by-spec, feature-by-feature comparison-shopping. Jameco has long standing relationships with manufacturers around the world, and we work hard to source a wide selection of value components.



3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN

Catalog Tools

This catalog offers only a portion of the over 50,000 products Jameco carries. If you find an interesting product category, use the web code to easily jump from the catalog to the website where you can find more products in the category plus the latest pricing and availability information.

Enter the web code in the product search box



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












































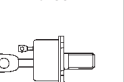




Prices are effective 5-6-2013.
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LCC 	LQFP/STQFP/ TQFP 	MB-35 	Micro SMD 	MQFP 	MW 	PLCC 	PWAT 	QFN 	SC70 
SIP 	SMA/SMB/SMC/ DO-214AB 	SO 	SOD-123 	SOIC/SOJ/SOP 	SOT-143/SOT-363/ SuperSOT-6 	T-218/T-220/ T-220AB/T-220F 	SOT-223/SOT-89 	SOT-23/Micro-3/ SuperSOT-3 	SSOP/MSOP 
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Please refer to data sheets at www.Jameco.com for more detailed illustrations and specifications

7400 Series

*Web Code: XAG

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
48979	+	7400N**	DIP-14	Quad 2-input pos. NAND gate	\$1.29	\$1.05	\$.89
910901	TI	SN7400N	DIP-14	Quad 2-input pos. NAND gate	1.39	1.09	.95
49007	+	7401N	DIP-14	Quad 2-input NAND gate (O.C.) .....	.99	.89	.79
49015	+	7402N*	DIP-14	Quad 2-input pos. NOR gate	1.75	1.55	1.35
49040	+	7404N**	DIP-14	Hex inverter	1.49	1.35	1.09
49074	+	7405N*	DIP-14	Hex inverter (O.C.) .....	.99	.89	.79
49091	+	7406N**	DIP-14	Hex inverter buffer/driver .....	.89	.75	.59
49120	+	7407N**	DIP-14	Hex buffer/driver .....	.75	.65	.55
49146	+	7408N*	DIP-14	Quad 2-input pos. AND gate	2.49	2.25	1.95
49189	+	7410N*	DIP-14	Triple 3-input pos. NAND gate	1.29	1.19	1.05
49402	+	7413N	DIP-14	Dual 4-input pos. NAND gate .....	.99	.89	.79
49437	+	7414N*	DIP-14	Hex schmitt-trigger inverter .....	.99	.89	.79
49630	+	7416N*	DIP-14	Hex inverter buffer/driver (O.C.)	1.19	.99	.79
49728	+	7417N*	DIP-14	Hex buffer/driver (O.C. hi-volt.)	1.29	1.15	.89
50008	+	7420N*	DIP-14	Dual 4-input NAND gate .....	.99	.89	.75
50139	+	7427N*	DIP-14	Triple 3-input NOR gate	1.09	.99	.89
50198	+	7428N	DIP-14	Quad 2-input pos. NAND gate .....	.89	.79	.69
50227	+	7430N*	DIP-14	8-input NAND gate .....	.99	.89	.79
50235	+	7432N*	DIP-14	Quad 2-input pos. OR gate	1.75	1.55	1.35
50315	+	7438N*	DIP-14	Quad 2-input NAND buffer	1.09	.99	.89
50374	+	7442N	DIP-16	4 line BCD to 10 line decimal decoder	1.95	1.75	1.49
50403	+	7445N	DIP-16	BCD-to-decimal decoder/driver	2.25	2.05	1.85
50420	+	7447N*	DIP-16	BCD-to-7 seg. decoder/driver	2.49	2.25	1.95
50534	+	7473N	DIP-14	Dual J-K neg-edge-triggered flip-flop ...	1.95	1.75	1.59
50551	+	7474N**	DIP-14	Dual D type flip-flop	1.75	1.49	1.25
50577	+	7475N	DIP-16	4-bit bistable latch	2.75	2.49	2.25
50593	+	7476N	DIP-16	Dual J-K pos-edge-triggered flip-flop	2.95	2.65	2.39
50631	+	7483N	DIP-16	4-bit binary full adder	2.95	2.75	2.49
50657	+	7485N*	DIP-16	4-bit magnitude comparator	2.49	2.25	1.95
50665	+	7486N	DIP-14	Quad 2-input exclusive OR gate	2.25	2.09	1.95
50681	+	7489N	DIP-16	64-bit read/write memory	3.95	3.75	3.49
50690	+	7490N	DIP-14	Asynchronous decade counter	2.95	2.65	2.39
50745	+	7493N	DIP-14	4-bit binary counter	1.95	1.75	1.49
50770	+	7495N	DIP-14	4-bit parallel-access shift register ...	1.95	1.75	1.49
49234	+	74107N*	DIP-14	Dual J-K flip-flop with clear .....	.99	.89	.79
49322	+	74121N*	DIP-14	Monostable multivibrator	2.75	2.49	2.25
49357	+	74123N*	DIP-16	Dual monostable multivibrator	3.49	3.25	2.75
49509	+	74150N	DIP-24	1-of-16 data selector/multiplexer ...	3.49	2.95	2.49
49525	+	74151N*	DIP-16	1-of-8 data selector/multiplexer .....	.79	.69	.45
49550	+	74153N*	DIP-16	Dual 4-to-1 data selector/multiplexer .....	.99	.89	.79
49568	+	74154N	DIP-24	4-to-16 line decoder/demultiplexer	2.75	2.55	2.35
49584	+	74155N	DIP-16	Dual 2-to-4 line decoder/demultiplexer ..	1.19	1.09	.99
49605	+	74157N*	DIP-16	Quad 2-to-1 line data selector	1.29	1.19	1.09
49648	+	74160N*	DIP-16	Synchronous decade counter .....	.79	.69	.59
49664	+	74161N	DIP-16	4-bit synchronous binary counter .....	.89	.79	.69
49681	+	74164N	DIP-14	8-bit serial shift register .....	.89	.79	.59
49779	+	74174N*	DIP-16	Hex D-type flip-flop with clear	1.09	.99	.89
49795	+	74175N*	DIP-16	Hex D-type flip-flop with clear	1.35	1.25	1.15
49883	+	74189N	DIP-16	Tri-state 64-bit RAM	2.95	2.75	2.49
49904	+	74191N	DIP-16	Synch. 4-bit up/down binary counter ...	1.49	1.25	1.09
49912	+	74192N	DIP-16	Synch. 4-bit up/down decade counter ...	3.95	3.75	3.49
49939	+	74193N	DIP-16	Synch. 4-bit up/down binary counter ...	2.95	2.75	2.49
49955	+	74194N	DIP-16	4-bit bi-directional shift register	1.95	1.75	1.49

*10 pcs./ **20 pcs. in 7400 series IC cabinet kit, top right

*74AC/ACT/AHC/ALS Series Online — Enter Web Code CBA

*74ALS/ALVC Series Online — Enter Web Code SVC

TTL Logic Data Book (1988)

Texas Instruments Contains specifications and technical information on a broad line of TTL integrated circuits including Schottky TTL circuits. (1240 pages)

Last Edition

Part No.	Description	Size (in.)	Wt. (lbs.)	1	5
88225	TTL Logic Data Book	6.0" x 8.5"	2.6	\$19.95	\$17.95

7400 Series IC Kit

*Web Code: CKS

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 144 and 30 adhesive labels for drawers to identify parts in kit
10 each: 7402, 7405, 7408, 7410, 7414, 7416, 7417, 7420, 7427, 7430, 7432, 7438, 7447, 7485, 74107, 74121, 74123, 74132, 74151, 74153, 74157, 74160, 74174, 74175, 74279
20 each: 7400, 7404, 7406, 7407, 7474



Part No.	Description	Wt. (lbs.)	1	5
84953	350 pcs. 7400 IC kit	6.2	\$219.95	\$199.95

74C Series

Please Note: Manufacturer may vary

*Web Code: RAG

Part No.	Product No.	Pkg.	Description	1	10	100
44222	74C00N	DIP-14	Quad 2-input pos. NAND gate	\$2.19	\$1.95	\$1.75
44257	74C14N	DIP-14	Hex schmitt-trig. inverter (CD40106)	1.95	1.75	1.49
44361	74C221N	DIP-16	Dual monostable multivibrator	3.95	3.49	3.25
44409	74C374N	DIP-20	Octal D-type flip-flop	2.95	2.75	2.49
44521	74C912N	DIP-28	6-digit BCD display controller/driver ..	1.95	1.49	1.25
44564	74C922N	DIP-18	16-key keyboard encoder	8.95	7.95	7.25
44572	74C923N	DIP-20	20-key keyboard encoder	7.95	6.95	6.25
44599	74C926N	DIP-18	4-digit counter w/ 7-seg. output driver	12.95	11.95	10.95

74F Series

Please Note: Manufacturer may vary

*Web Code: CEN

Part No.	Product No.	Pkg.	Description	1	10	100
287005	74F04N	DIP-14	Hex inverter	\$.35	\$.29	\$.25
287013	74F08N	DIP-14	Quad 2-input pos. AND gate .....	.45	.39	.35
287021	74F14N	DIP-14	Hex schmitt trigger inverter .....	.29	.25	.19
287048	74F32N	DIP-14	Quad 2-input pos. OR gate .....	.45	.39	.35
287620	74F74D	SOIC-14	Dual D-type flip-flop .....	.35	.29	.25
287056	74F74N	DIP-14	Dual D-type flip-flop .....	.39	.35	.29
287064	74F86N	DIP-14	Quad 2-input exclusive OR gate .....	.45	.39	.35
44839	74F374N	DIP-20	Octal D-type flip-flop .....	.69	.59	.49

74HC Series

*Web Code: SDJ

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
45161	+	74HC00N	DIP-14	Quad 2-input pos. NAND gate ..	\$.29	\$.25	\$.22
906339	NXP	74HC00N	DIP-14	Quad 2-input pos. NAND gate ....	.35	.29	.25
45188	+	74HC02N	DIP-14	Quad 2-input pos. NOR gate .....	.29	.25	.22
45209	+	74HC04N	DIP-14	Hex inverter .....	.29	.25	.22
250982	TI	SN74HC04N	DIP-14	Hex inverter .....	.35	.29	.25
906574	NXP	74HC04N	DIP-14	Hex inverter .....	.35	.29	.25
45225	+	74HC08N	DIP-14	Quad 2-input pos. AND gate .....	.29	.25	.22
45233	+	74HC10N	DIP-14	Triple 3-input pos. NAND gate .....	.29	.25	.22
45364	+	74HC14N	DIP-14	Hex schmitt-trigger inverter .....	.29	.22	.17
251045	TI	SN74HC14N	DIP-14	Hex schmitt-trigger inverter .....	.35	.25	.19
45794	+	74HC32N	DIP-14	Quad 2-input pos. OR gate .....	.25	.22	.19
251088	TI	SN74HC32N	DIP-14	Quad 2-input pos. OR gate .....	.29	.25	.22
46130	+	74HC74N	DIP-14	Dual D-type flip-flop .....	.35	.29	.25
46156	+	74HC75N	DIP-16	4-bit bi-stable latch .....	.99	.89	.79
46181	+	74HC86N	DIP-14	Quad 2-input exclusive OR gate ..	.35	.29	.25
45292	+	74HC123N	DIP-16	Dual monostable multivibrator .....	.45	.39	.35
45305	+	74HC125N	DIP-14	Tri-state quad bus buffer .....	.29	.25	.22
45321	+	74HC132N	DIP-14	Quad 2-input NAND schmitt trigger ..	.35	.29	.25
45330	+	74HC138N	DIP-16	3-to-8 line decoder/demultiplexer ..	.35	.29	.25
45401	+	74HC154N	DIP-24	4-to-16 line decoder (0.3" wide) ...	.99	.89	.79
45487	+	74HC164N	DIP-14	8-bit serial shift register .....	.35	.29	.25
251328	TI	SN74HC164N	DIP-14	8-bit serial shift register .....	.39	.35	.29
45495	+	74HC165N	DIP-16	8-bit parallel load shift register ...	.35	.29	.25
251336	TI	SN74HC165N	DIP-16	8-bit parallel load shift register ...	.39	.35	.29
45541	+	74HC192N	DIP-16	Synch. 4-bit up/down decade counter ...	.65	.55	.45
45655	+	74HC244N	DIP-20	Tri-state octal buffer/line driver ...	.35	.29	.25
45671	+	74HC245N	DIP-20	Tri-state octal buffer/line driver ...	.35	.29	.25
45743	+	74HC273N	DIP-20	Octal D-type flip-flop .....	.39	.35	.29
45831	+	74HC373N	DIP-20	Octal D-type transparent latch .....	.45	.39	.29
45858	+	74HC374N	DIP-20	Octal D-type flip-flop .....	.45	.39	.29

Continued on next page

* NXP = NXP/Philips | TI = Texas Instruments | + Major Brands

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

74HC, 74HCT & 74LS Series

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACILITY OVERRUN

74HC Series (Continued)

*Web Code: SDJ

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
381000	TI	SN74HC541PW	TSSOP-20	Tri-state octal buffer/line driver ..	\$.39	\$.35	\$.29
46050	+	74HC541N	DIP-20	Tri-state octal buffer/line driver ....	.45	.39	.35
46076	+	74HC573N	DIP-20	3-st. octal D-type transparent latch .....	.45	.39	.35
46084	+	74HC574N	DIP-20	Tri-state octal D-type flip-flop .....	.45	.39	.35
46105	+	74HC595N	DIP-16	8-bit shift register w/ output latch ..	.39	.35	.25
911189	NXP	74HC595N	DIP-16	8-bit shift register w/ output latch ..	.45	.39	.29
251643	TI	SN74HC595N	DIP-16	8-bit shift register w/ output latch ...	.45	.39	.29
45891	+	74HC4017N	DIP-16	Hi speed decade counter/divider .....	.45	.39	.35
45920	+	74HC4040N	DIP-16	12-bit asynch. binary counter .....	.39	.35	.29
45971	+	74HC4066N	DIP-14	Quad bilateral analog switch .....	.39	.35	.29

74HCT Series

Please Note: Manufacturer may vary

*Web Code: SAG

Part No.	Product No.	Pkg.	Description	1	10	100
44871	74HCT00N	DIP-14	Quad 2-input pos. NAND gate	\$.29	\$.25	\$.22
44898	74HCT04N	DIP-14	Hex inverter .....	.25	.22	.17
44901	74HCT08N	DIP-14	Quad 2-input pos. AND gate .....	.29	.25	.22
44935	74HCT14N	DIP-14	Hex schmitt-trigger inverter .....	.29	.25	.22
45137	74HCT74N	DIP-14	Dual D-type flip-flop .....	.45	.39	.29
45145	74HCT86N	DIP-14	Quad 2-input exclusive OR gate .....	.39	.35	.29
44927	74HCT138N	DIP-16	3-to-8 decoder/demultiplexer .....	.35	.29	.25
381253	SN74HCT240PW	TSSOP-20	Octal buffer/line driver .....	.39	.35	.29
45022	74HCT244N	DIP-20	Tri-state octal buffer/line driver .....	.35	.29	.25
45031	74HCT245N	DIP-20	Tri-state octal bus transceiver .....	.45	.39	.29
45065	74HCT373N	DIP-20	Octal D-type transparent latch .....	.39	.35	.29
45073	74HCT374N	DIP-20	Octal D-type flip-flop .....	.39	.35	.29
45090	74HCT573N	DIP-20	3-st. octal D-type transparent latch ....	.45	.39	.29
45129	74HCT688N	DIP-20	8-bit magnitude comparator .....	.69	.59	.49

74LS Series

*Web Code: NBS

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
46252	+	74LS00N**	DIP-14	Quad 2-input pos. NAND gate	\$.45	\$.39	\$.35
46253	+	74LS00N	DIP-14	Quad 2-input pos. NAND gate .....	.49	.45	.39
283725	TI	SN74LS00N	DIP-14	Quad 2-input pos. NAND gate .....	.49	.45	.39
46287	+	74LS02N**	DIP-14	Quad 2-input pos. NOR gate .....	.39	.35	.29
283741	TI	SN74LS02N	DIP-14	Quad 2-input pos. NOR gate .....	.45	.39	.35
46308	+	74LS03N	DIP-14	Quad 2-input pos. NAND gate (O.C.) ..	.59	.49	.45
283784	TI	SN74LS03N	DIP-14	Quad 2-input pos. NAND gate (O.C.) ..	.85	.69	.59
46316	+	74LS04N**	DIP-14	Hex inverter .....	.49	.39	.35
46318	+	74LS04N	DIP-14	Hex inverter .....	.55	.45	.39
283792	TI	SN74LS04N	DIP-14	Hex inverter .....	.55	.45	.39
46341	+	74LS05N*	DIP-14	Hex inverter (O.C.) .....	.59	.49	.45
46359	+	74LS06N	DIP-14	Hex inverter buffer/driver .....	.89	.75	.59
46367	+	74LS07N	DIP-14	Hex buffer/driver .....	.75	.65	.55
46375	+	74LS08N**	DIP-14	Quad 2-input pos. AND gate .....	.45	.39	.35
295401	TI	SN74LS08N	DIP-14	Quad 2-input pos. AND gate .....	.49	.45	.39
46391	+	74LS09N	DIP-14	Quad 2-input pos. AND gate (O.C.) ..	.55	.45	.39
46404	+	74LS10N*	DIP-14	Triple 3-input pos. NAND gate .....	.59	.49	.39
46439	+	74LS11N*	DIP-14	Triple 3-input pos. AND gate .....	.45	.39	.35
46640	+	74LS14N*	DIP-14	Hex schmitt-trigger inverter .....	.45	.35	.29
295460	TI	SN74LS14N	DIP-14	Hex schmitt-trigger inverter .....	.49	.39	.35
47095	+	74LS20N*	DIP-14	Dual 4-input NAND gate .....	.69	.59	.49
295478	TI	SN74LS20N	DIP-14	Dual 4-input NAND gate .....	.75	.65	.55
47108	+	74LS21N	DIP-14	Dual 4-input AND gate .....	.59	.49	.39
47378	+	74LS27N	DIP-14	Triple 3-input NOR gate .....	.79	.69	.59
47458	+	74LS30N*	DIP-14	8-input NAND gate .....	.49	.45	.39
47466	+	74LS32N**	DIP-14	Quad 2-input pos. OR gate .....	.45	.35	.29
295515	TI	SN74LS32N	DIP-14	Quad 2-input pos. OR gate .....	.49	.39	.35
47773	+	74LS42N	DIP-14	4 line BCD to 10 line decimal decoder	1.49	1.25	1.05
47790	+	74LS47N*	DIP-16	BCD-to-7 seg. decoder/driver	1.49	1.29	1.09
295582	TI	SN74LS47N	DIP-16	BCD-to-7 seg. decoder/driver	1.55	1.35	1.15
47811	+	74LS48N	DIP-16	BCD-to-7 seg. decoder/driver	3.95	3.49	2.95
295726	TI	SN74LS74AN	DIP-14	Dual D-type flip-flop .....	.49	.45	.35

*10 pcs./ **20 pcs. in 74LS series IC cabinet kit, pg 5

74LS Series (Continued)

*Web Code: NBS

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
48021	+	74LS75N*	DIP-16	4-bit bi-stable latch	\$1.49	\$1.25	\$1.05
48039	+	74LS76N	DIP-16	Dual J-K pos-edge-triggered flip-flop ..	1.49	1.35	1.19
48063	+	74LS83N	DIP-16	4-bit binary full adder	2.19	1.99	1.79
48071	+	74LS85N*	DIP-16	4-bit magnitude comparator .....	.99	.89	.75
48098	+	74LS86N*	DIP-14	Quad 2-input exclusive OR gate ....	.45	.39	.29
295751	TI	SN74LS86AN	DIP-14	Quad 2-input exclusive OR gate ....	.49	.45	.35
48119	+	74LS90N*	DIP-14	Asynchronous decade counter ...	1.75	1.49	1.35
295769	TI	SN74LS90N	DIP-14	Asynchronous decade counter ...	1.95	1.69	1.55
48143	+	74LS92N	DIP-14	Divide-by-12 decade counter	1.95	1.75	1.49
48151	+	74LS93N*	DIP-14	4-bit binary counter	1.29	1.09	.95
295822	TI	SN74LS93N	DIP-14	4-bit binary counter	1.39	1.19	1.05
46412	+	74LS107N	DIP-14	Dual J-K flip-flop with clear	1.09	.99	.89
46421	+	74LS109N	DIP-16	Dual J-K bar flip-flop .....	.99	.89	.79
46447	+	74LS112N	DIP-16	Dual J-K neg-edge-triggered flip-flop .	.65	.55	.45
46471	+	74LS122N	DIP-14	Retriggerable monostable multivib. ....	.99	.89	.79
46480	+	74LS123N*	DIP-16	Dual monostable multivibrator .....	.65	.55	.45
300880	TI	SN74LS123N	DIP-16	Dual monostable multivibrator .....	.69	.59	.49
46501	+	74LS125N*	DIP-14	Tri-state quad bus buffer .....	.65	.55	.45
46527	+	74LS126N	DIP-14	Tri-state quad bus buffer .....	.65	.55	.45
46551	+	74LS132N	DIP-14	Quad 2-input NAND schmitt trigger .	.69	.59	.49
46607	+	74LS138N**	DIP-16	3-to-8 decoder/demultiplexer .....	.59	.49	.39
301233	TI	SN74LS138N	DIP-16	3-to-8 decoder/demultiplexer .....	.69	.59	.49
46623	+	74LS139N*	DIP-16	Dual 2-to-4 decoder/demultiplexer .	.59	.49	.39
301268	TI	SN74LS139AN	DIP-16	Dual 2-to-4 decoder/demultiplexer .	.65	.55	.45
46666	+	74LS145N	DIP-16	BCD-to-decimal decoder/driver ....	.69	.59	.49
301276	TI	SN74LS145N	DIP-16	BCD-to-decimal decoder/driver .....	.79	.69	.59
46682	+	74LS148N	DIP-16	8-to-3 line priority encoder	1.05	.95	.85
46703	+	74LS151N*	DIP-16	1-to-8 data selector/multiplexer ...	.75	.65	.55
46720	+	74LS153N	DIP-16	Dual 4-to-1 data selector/multiplexer .	.75	.65	.55
46738	+	74LS154N	DIP-24	4-to-16 line decoder/demultiplexer	4.95	4.75	4.25
46754	+	74LS155N*	DIP-16	Dual 2-to-4 line decoder/demultiplexer	.99	.89	.79
46771	+	74LS157N*	DIP-16	Quad 2-to-1 line data selector .....	.59	.49	.39
46800	+	74LS160N	DIP-16	Synchronous decade counter	2.49	2.25	2.05
46818	+	74LS161N	DIP-16	4-bit synchronous binary counter ..	.55	.45	.39
301647	TI	SN74LS161AN	DIP-16	4-bit synchronous binary counter ..	.59	.49	.45
46842	+	74LS163N	DIP-16	Synchronous 4-bit binary counter ..	.65	.55	.45
46851	+	74LS164N	DIP-14	8-bit serial shift register .....	.59	.49	.39
46877	+	74LS165N	DIP-16	8-bit parallel load shift register .....	.65	.55	.45
46885	+	74LS166N	DIP-16	Serial-out shift register .....	.69	.59	.49
46906	+	74LS169N	DIP-16	Synch. 4-bit binary up/down counter .	.99	.89	.79
46922	+	74LS173N	DIP-16	4-bit D-type register w/ 3-state output	1.09	.99	.89
46931	+	74LS174N*	DIP-16	Hex D-type flip-flop with clear .....	.69	.59	.49
46957	+	74LS175N*	DIP-16	Quad D-type flip-flop with clear ....	.69	.59	.49
46973	+	74LS181N	DIP-24	Arithmetic logic unit/function generator	3.95	3.49	3.25
46990	+	74LS190N	DIP-16	Synchronous up/down decade counter	2.95	2.75	2.49
47001	+	74LS191N	DIP-16	Synch. 4-bit up/down binary counter .	.79	.69	.59
47010	+	74LS192N	DIP-16	Synch. 4-bit up/down decade counter	3.49	3.25	2.95
47036	+	74LS193N*	DIP-16	Synch. 4-bit up/down binary counter .	.79	.69	.59
301831	TI	SN74LS193N	DIP-16	Synch. 4-bit up/down binary counter .	.89	.79	.69
47052	+	74LS194N	DIP-16	4-bit bi-directional shift register ...	.89	.79	.55
301858	TI	SN74LS194N	DIP-16	4-bit bi-directional shift register ..	.99	.89	.59
47061	+	74LS195N	DIP-16	4-bit parallel-access shift register	2.05	1.95	1.75
47124	+	74LS221N	DIP-16	Dual monostable multivibrator .....	.85	.75	.65
47141	+	74LS240N*	DIP-20	Octal buffer/line driver .....	.69	.55	.45
47167	+	74LS241N	DIP-20	Tri-state octal buffer/line driver ....	.75	.65	.55
47183	+	74LS244N*	DIP-20	Tri-state octal buffer/line driver ....	.65	.55	.45
308312	TI	SN74LS244N	DIP-20	Tri-state octal buffer/line driver .....	.69	.59	.49
47212	+	74LS245N*	DIP-20	Tri-state octal bus transceiver .....	.65	.55	.45
308321	TI	SN74LS245N	DIP-20	Tri-state octal bus transceiver .....	.69	.59	.49
47247	+	74LS247N	DIP-16	BCD to 7-seg. decoder/driver	1.19	1.09	.95
47327	+	74LS259N	DIP-16	8-bit addressable latch .....	.89	.79	.69
47360	+	74LS266N	DIP-14	Quad 2-input exclusive NOR gate (O.C.)	.79	.69	.59

*10 pcs./ **20 pcs. in 74LS series IC cabinet kit, pg 5

* NXP = NXP/Philips Semiconductor | TI = Texas Instruments | + Major Brands

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

74LS Series (Continued)

*Web Code: NBS

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
47386	+	74LS273N*	DIP-20	Octal D-type flip-flop	\$.69	\$.55	\$.45
308398	TI	SN74LS273N	DIP-20	Octal D-type flip-flop .....	.79	.65	.55
47407	+	74LS279N	DIP-16	Quad S-R latch .....	.89	.79	.69
47423	+	74LS283N	DIP-16	4-bit binary full add w/ fast carry	1.09	.99	.89
47562	+	74LS367N	DIP-16	Tri-state hex buffer .....	.89	.79	.69
309278	TI	SN74LS368AN	DIP-16	6-bit buffer/line driver .....	.95	.85	.75
47600	+	74LS373N*	DIP-20	Octal D-type transparent latch .....	.69	.55	.45
308460	TI	SN74LS373N	DIP-20	Octal D-type transparent latch .....	.79	.65	.55
47634	+	74LS374N*	DIP-20	Octal D-type flip-flop .....	.69	.55	.45
308478	TI	SN74LS374N	DIP-20	Octal D-type flip-flop .....	.79	.65	.55
47669	+	74LS377N	DIP-20	Octal D-type flip-flop .....	.99	.89	.79
47722	+	74LS390N	DIP-16	Dual 4-bit decade counter	1.19	1.09	.95
47731	+	74LS393N	DIP-14	Dual 4-bit binary counter .....	.85	.75	.65
47861	+	74LS540N	DIP-20	Tri-state octal buffer/line driver ..	1.09	.95	.85
47870	+	74LS541N	DIP-20	Tri-state octal buffer/line driver ..	.95	.85	.75
308523	TI	SN74LS541N	DIP-20	Tri-state octal buffer/line driver ..	.99	.89	.79
64418	+	74LS573N	DIP-20	Tri-state octal D-type flip flop	2.95	2.75	2.49
47976	+	74LS670N	DIP-16	4 x 4 register file	1.25	1.09	.99
309260	+	74LS682N	DIP-20	8-bit magnitude/identity comp. ...	1.75	1.49	1.25
47984	+	74LS688N	DIP-20	8-bit identity comparator	1.39	1.19	1.05

*10 pcs. in 74LS series IC cabinet kit, below

74LS Series IC Kit

*Web Code: CKS

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 144 and 30 adhesive labels for drawers to identify parts in kit

10 each: 74LS05, 74LS10, 74LS11, 74LS14, 74LS20, 74LS30, 74LS47, 74LS73, 74LS75, 74LS85, 74LS86, 74LS90, 74LS93, 74LS123, 74LS125, 74LS139, 74LS151, 74LS155, 74LS157, 74LS174, 74LS175, 74LS193, 74LS240, 74LS244, 74LS245, 74LS273, 74LS373, 74LS374

20 each: 74LS00, 74LS02, 74LS04, 74LS08, 74LS32, 74LS74, 74LS138

Part No.	Description	Wt. (lbs.)	1	5
84961	420 pcs. 74LS IC kit	6.7	\$169.95	\$153.95
130391	Refill for 84961 (420 pcs.)	2.0	154.95	139.95

74S Series

Please Note: Manufacturer may vary

*Web Code: NCK

Part No.	Product No.	Pkg.	Description	1	10	100
48696	74S287N	DIP-16	(256 x 4) 1024-bit TTL PROM (TBP24S10)	\$5.95	\$4.95	\$3.95
676959	74S00N	DIP-14	Quad 2-input NAND gate .....	.89	.79	.69
48266	74S02N	DIP-14	Quad 2-input NOR gate .....	.69	.59	.49
48303	74S08N	DIP-14	Quad 2-input AND gate .....	.69	.59	.49
48750	74S32N	DIP-14	Quad 2-input positive OR gate .....	.89	.79	.69
48952	74S85N	DIP-16	4-bit magnitude comparator	1.19	1.09	.99
48961	74S86N	DIP-14	Quad 2-input exclusive OR gate .....	.89	.79	.69
52513	74S428N	DIP-28	System controller/bus driver (8228)	4.95	4.49	3.95
48864	74S472N	DIP-20	(512 x 8) 4096-bit TTL PROM (TBP28S42N)	12.95	11.95	10.95
48910	74S571N	DIP-16	(512 x 4) 2048-bit TTL PROM (AM27S13)	5.95	4.95	3.95

4000 Series

*Web Code: WAA

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
12562	+	CD4001*	DIP-14	Quad 2-input NOR gate	\$.39	\$.35	\$.29
675964	+	CD4002	DIP-14	Dual 4-input NOR gate .....	.35	.29	.25
12597	+	CD4007	DIP-14	Dual complimentary pair plus inv. ....	.39	.35	.29
12634	+	CD4011**	DIP-14	Quad 2-input NAND gate .....	.39	.35	.29
893283	TI	CD4011BE	DIP-14	Quad 2-input NAND gate .....	.45	.39	.35
12677	+	CD4013**	DIP-14	Dual D-type flip-flop .....	.35	.29	.25
893443	TI	CD4013BE	DIP-14	Dual D-type flip-flop .....	.39	.35	.29
12706	+	CD4015*	DIP-16	Dual 4-stage static shift register ...	.39	.35	.29
12722	+	CD4016*	DIP-14	Quad bilateral switch .....	.35	.29	.25
12749	+	CD4017*	DIP-16	Decade counter/divider .....	.45	.35	.29
893611	TI	CD4017BE	DIP-16	Decade counter/divider .....	.49	.39	.35
12773	+	CD4018	DIP-16	Presetable divide-by-N counter ...	.39	.35	.29
12802	+	CD4020*	DIP-16	14-st. ripple carry binary counter ....	.39	.35	.29

*10 pcs./**20 pcs. in 4000 series IC cabinet kit, right

4000 Series (Continued)

*Web Code: WAA

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
12829	+	CD4021	DIP-16	8-stage static shift register	\$.39	\$.35	\$.29
12845	+	CD4023*	DIP-14	Triple 3-input NAND gates .....	.35	.29	.25
12853	+	CD4024*	DIP-14	7-stage ripple carry binary counter ...	.39	.35	.29
353560	+	CD4026	DIP-16	Decade counter/divider .....	.45	.35	.29
12888	+	CD4027*	DIP-16	Dual J-K master/slave flip-flop ...	.39	.35	.29
12909	+	CD4028	DIP-16	BCD-to-decimal decoder .....	.39	.35	.29
12925	+	CD4029	DIP-16	Preset up/down binary counter .....	.45	.39	.35
12950	+	CD4040*	DIP-16	12-stage binary/ripple counter .....	.45	.35	.29
12992	+	CD4043	DIP-16	Tri-state quad NOR R/S latch .....	.45	.39	.35
13004	+	CD4044	DIP-16	Quad NAND R/S latch .....	.39	.35	.29
13012	+	CD4046*	DIP-16	Micropower phase lock loop .....	.49	.39	.35
13039	+	CD4047	DIP-14	Monostable/astable multivibrator ...	.39	.35	.29
13055	+	CD4049**	DIP-16	Hex inverting buffer/converter .....	.39	.35	.29
13071	+	CD4050*	DIP-16	Hex non-inverting buffer/converter ....	.39	.35	.29
13098	+	CD4051*	DIP-16	Single 8-ch analog multiplexer .....	.39	.35	.29
894391	TI	CD4051BE	DIP-16	Single 8-ch analog multiplexer .....	.45	.39	.35
13119	+	CD4052	DIP-16	Dual 4-ch analog multiplexer .....	.25	.22	.19
13127	+	CD4053	DIP-16	Triple 2-ch analog multiplexer .....	.39	.35	.29
13151	+	CD4060	DIP-16	14-st. ripple carry binary counter ....	.45	.35	.29
13186	+	CD4066**	DIP-14	Quad bilateral switch .....	.35	.29	.25
13232	+	CD4069	DIP-14	Hex inverters (74C04) .....	.39	.35	.29
13215	+	CD4067	DIP-24	Single 16-ch analog multiplexer	1.09	.99	.89
13231	+	CD4068*	DIP-14	Hex inverters (74C04) .....	.39	.35	.25
13258	+	CD4070*	DIP-14	Quad 2-input exclusive OR gate ...	.35	.29	.25
13274	+	CD4071*	DIP-14	Quad 2-input OR gate .....	.39	.35	.29
676094	+	CD4075	DIP-14	Triple 3-input OR gate .....	.45	.35	.29
676107	+	CD4077	DIP-14	Quad exclusive NOR gate .....	.39	.35	.29
676115	+	CD4078	DIP-14	8-input NOR/OR gate .....	.45	.35	.29
13354	+	CD4081*	DIP-14	Quad 2-input AND gate .....	.39	.35	.29
676123	+	CD4082	DIP-14	Dual 4-input AND gate .....	.39	.35	.29
13400	+	CD4093*	DIP-14	Quad 2-input NAND schmitt trig. ...	.39	.35	.29
818873	TI	CD4093BE	DIP-14	CMOS 2-input NAND gate .....	.45	.39	.35
870807	NSC	CD4093BCN	DIP-14	Quad 2-input NAND schmitt trig. ...	.59	.49	.45
13426	+	CD4094	DIP-16	8-bit shift register with latch .....	.45	.39	.29
13442	+	CD4099	DIP-16	8-bit addressable latch .....	.45	.39	.35
13485	+	CD4510	DIP-16	BCD presetable up/down counter .....	.45	.39	.35
13493	+	CD4511*	DIP-16	BCD-to-7 segment latch/decoder/driver ..	.45	.35	.29
13522	+	CD4514	DIP-24	4-bit latch/line decoder .....	.99	.89	.75
13549	+	CD4516	DIP-16	Binary up/down counter .....	.39	.35	.29
13565	+	CD4518	DIP-16	Dual BCD up counter .....	.45	.39	.35
13581	+	CD4520	DIP-16	Dual binary up counter .....	.39	.35	.29
13611	+	CD4528	DIP-16	Dual monostable multivibrator .....	.59	.49	.45
13653	+	CD4538*	DIP-16	Dual monostable multivibrator .....	.59	.49	.39
13696	+	CD4543*	DIP-16	BCD to 7-segment decoder driver .....	.45	.35	.29
13709	+	CD4553	DIP-16	3-digit BCD counter	1.95	1.59	1.39
13768	+	CD4584*	DIP-14	Hex schmitt trigger .....	.39	.35	.29
676473	+	CD40102	DIP-16	2-decade BCD 8-st. sync down counter ..	.25	.19	.12
785071	NSC	CD40106BCN	DIP-14	Hex schmitt trigger .....	.69	.59	.49
676502	+	CD40110	DIP-16	Decade up/down counter	1.09	.95	.79

*10 pcs./**20 pcs. in 4000 series IC cabinet kit, below

4000 Series CMOS IC Kit

*Web Code: CKS

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 144 and 30 adhesive labels for drawers to identify parts in kit

10 each: CD4015, CD4016, CD4017, CD4020, CD4023, CD4024, CD4027, CD4040, CD4046, CD4050, CD4051, CD4069, CD4070, CD4071, CD4081, CD4093, CD4511, CD4538, CD4543, CD4584

20 each: CD4001, CD4011, CD4013, CD4049, CD4066

Part No.	Description	Wt. (lbs.)	1	5
84970	300 pcs. 4000 series CMOS IC kit	6.1	\$89.95	\$79.95
130403	Refill for 84970 (300 pcs.)	1.4	74.95	67.95

* NSC = National Semi | TI = Texas Instruments | + Major Brands

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search boxOrder by Phone at 1-800-831-4242 or Online at www.Jameco.com

5000 Series & Clock Chips

*Web Code: RAE

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10
32803	+	TCM5089N	DIP-16	Touch tone generator	\$4.95	\$4.49
26171	+	M5450B7	DIP-40	LED display driver	3.95	3.49
27422	+	LM555CN**	DIP-8	Timer	.25	.22
126797	+	LMC555CN*	DIP-8	CMOS timer	.69	.59
24328	+	LM556N*	DIP-14	Dual timer	.29	.25
95531	+	RTC72421B	DIP-18	Real time clock	7.95	6.95
25101	+	MC146818*	DIP-24	Real time clock with RAM	8.95	7.95
10567	AMD	AM9513APC*	DIP-40	Real time clock	34.95	31.95
2146433	CSS	CSS555-ID	DIP-8	Programmable timer	1.95	1.75
2146450	CSS	CSS555C-D	DIP-8	Programmable timer w/ internal cap	2.35	2.09
2146425	CSS	CSS555-IS	SOIC-8	Programmable timer	1.55	1.39
2146441	CSS	CSS555C-IS	SOIC-8	Programmable timer w/ internal cap	1.75	1.59
2146468	CSS	CSS555-DMK	—	Demo kit	74.95	69.95

*10 pcs./**20 pcs. in Linear series IC cabinet kit, pg 12 * Pull = Extra Savings

* Clock Management — Enter Web Code CMS

* Digital Signal Processing — Enter Web Code CEQ

6500 Series

*Web Code: NAG

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10
43191	+	6502*	DIP-40	CPU, 8-bit, 1MHz	\$6.95	\$5.95
43166	+	65C02*	DIP-40	CPU, 8-bit, 1MHz (CMOS)	6.95	5.95
43254	+	6522*	DIP-40	Versatile interface adapter, 1MHz	5.95	5.25
43297	+	6532*	DIP-40	RAM I/O timer, 1MHz	8.95	7.95
43318	+	6551*	DIP-28	Asynch. comm. interface adapter, 1MHz	4.95	4.49
2143671	WDC	W65C816S6PLG-14	PLCC-44	MPU, 8/16-bit, 14MHz, 16MB	7.95	6.95
2143662	WDC	W65C816S6PG-14	PDIP-40	MPU, 8/16-bit, 14MHz, 16MB	7.95	6.95
2143638	WDC	W65C02S6TPG-14	PDIP-40	MPU, 8-bit, 16MHz, 65KB	6.95	6.25
2143611	WDC	W65C22N6TPG-14	PDIP-40	Versatile interface adapter, 14MHz	6.95	5.95
2143591	WDC	W65C22S6TPG-14	PDIP-40	Versatile interface adapter, 14MHz	6.95	6.25
2143582	WDC	W65C26S8PLG-8	PLCC-84	MCU, 8/16-bit, 64 I/O, 8MHz	13.49	10.95
2143574	WDC	W65C134S8PLG-8	PLCC-68	MCU, 8-bit, 56 I/O, 8MHz	11.95	9.95
2143558	WDC	W65C21N6TPG-14	PDIP-40	Peripheral interface adapter, 14MHz	5.95	4.95

* Pull = Extra Savings



6800/68000 CMOS

*Web Code: SBP

Part No.	Mfr. Part No.	Pkg.	Description	1	10
248604	MC68HC11E1CFN3	PLCC-52	MCU, 8-bit, 38 I/O, 3MHz	\$10.95	\$9.95
248583	MC68HC11F1CFN3	PLCC-68	MCU, 8-bit, 30 I/O, 3MHz	11.95	10.95
108919	MC68HC705C8P	DIP-40	MCU, 8-bit, 24 I/O, 4MHz	9.95	8.95
132530	MC68HC705J1ACP	DIP-20	MCU, 8-bit, 14 I/O, 4MHz	4.95	4.49
248575	MC68HC711E9CFN2	PLCC-52	MCU, 8-bit, 38 I/O, 2MHz	23.95	21.95
323213	MC68HC908GR8CP	DIP-28	MCU, 8-bit, 21 I/O, 8MHz	1.95	1.49

6800/68000 N-MOS

*Web Code: PAG

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10
43481	+	6800*	DIP-40	CPU, 8-bit, 5V, 2MHz	\$4.95	\$4.49
43502	+	6802*	DIP-40	CPU, 8-bit, 5V, 1MHz	9.95	8.95
43529	+	6803*	DIP-40	CPU, 8-bit, 5V, 1MHz	6.95	5.95
43537	+	6808*	DIP-40	CPU, 8-bit, 7V, 1MHz	6.95	5.95
43545	+	6809E*	DIP-40	CPU, 8-bit, 7V, 1MHz	4.49	3.95
320590	+	68B09E*	DIP-40	CPU, 8-bit, 7V, 2MHz	4.95	4.49
43561	+	6810*	DIP-24	SRAM, 1K-bit, 5V, 1MHz	3.95	3.49
43596	+	6821*	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz	3.95	3.49
43414	+	68B21	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz	4.95	4.49
43617	+	6840*	DIP-28	Programmable timer, 16-bit, 5V, 6MHz	2.95	2.75
43633	+	6850*	DIP-24	Asynch. comm. int. adptr, 8-bit, 7V, 1MHz	4.49	3.95
25304	+	MC68000L8*	DIP-64	CPU, 16-bit, 7V, 8MHz	7.95	6.95
25291	+	MC68000L10*	DIP-64	CPU, 16-bit, 7V, 10MHz	8.95	7.95
25371	MOT	MC68705U3S*	DIP-40	MCU, 8-bit, 20 I/O, 4MHz	14.95	12.95

* Pull = Extra Savings

* AMD = Advanced Micro | CSS = Custom Silicon Solutions | MOT = Motorola | WDC = Western Design Center | + Major Brands

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

8000 Series

Please Note: Manufacturer may vary

*Web Code: CAH

Part No.	Product No.	Pkg.	Description	1	10	100
51844	8031*	DIP-40	MCU, 8-bit, 32 I/O, 8MHz	\$3.25	\$2.95	\$2.75
51676	80C31*	DIP-40	MCU, 8-bit, 32 I/O, 24MHz, CMOS	3.49	3.25	2.95
876096	P80C31BH-1	DIP-40	MCU, 8-bit, 32 I/O, 16MHz, CMOS	3.95	3.49	3.25
102197	8032*	DIP-40	CPU, 8-bit, 32 I/O, 12MHz	3.95	3.49	2.95
108804	80C32-1*	DIP-40	MCU, 8-bit, 32 I/O, 12MHz, CMOS	4.25	3.75	3.49
51959	8039*	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	2.95	2.75	2.49
51692	80C39	DIP-40	MCU, 8-bit, 27 I/O, 11MHz, CMOS	2.95	2.75	2.49
51983	8049**	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	1.49	1.25	1.09
51991	8051AP**	DIP-40	MCU, 8-bit, 27 I/O, 11MHz	1.95	1.49	1.25
125647	80C52BASIC	DIP-40	MCU, 8-bit, 32 I/O, 12MHz, CMOS	33.95	31.95	29.95
52046	8080A*	DIP-40	CPU, 8-bit, 16 I/O, 1MHz	5.49	4.95	4.25
52062	8085AH*	DIP-40	CPU, 8-bit, 16 I/O, 3MHz	4.95	4.49	3.25
52071	8085AH-2*	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	5.49	4.95	4.49
52100	8086-2*	DIP-40	CPU, 8-bit, 32 I/O, 8MHz	2.95	2.75	2.49
52142	8088*	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	2.95	2.75	2.49
34358	UPD70108-8*	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	8.95	7.95	6.95
52290	8155*	DIP-40	I/O port timer, 2K-bit, 3MHz	3.95	3.49	2.95
52302	8155-2*	DIP-40	Static MOS RAM, 2K-bit, 3 I/O, 5MHz	4.95	4.49	3.75
52193	81C55*	DIP-40	I/O port timer, 2K-bit, 3MHz, CMOS	4.95	4.49	3.95
52468	8212*	DIP-24	I/O port timer, 8-bit, 3MHz	5.95	5.49	4.95
52484	8216	DIP-16	Bi-directional bus driver (non-invert.)	2.95	2.49	2.25
52492	8224*	DIP-16	Clock generator/driver	4.95	4.49	3.95
52513	8228	DIP-28	System controller/bus driver	4.95	4.49	3.95
52581	8243*	DIP-24	I/O expander, 5V, MIL temp	5.49	4.95	3.25
52644	8251*	DIP-28	USART	2.75	2.49	2.25
52652	8251A*	DIP-28	Prog. communications interface	3.95	3.49	2.95
52687	8253-5*	DIP-24	Prog. interval timer, 5MHz	3.49	3.25	2.75
52708	8254*	DIP-24	Prog. interval timer, 8MHz	2.49	1.95	1.49
52716	8254-2*	DIP-24	Prog. interval timer, 10MHz	4.95	4.49	3.95
52409	82C54-2*	DIP-24	Prog. interval timer, 10MHz, CMOS	4.95	4.49	3.95
52724	8255*	DIP-40	CPU peripheral, 2MHz	4.49	3.95	3.49
52732	8255A-5*	DIP-40	CPU peripheral, 5MHz	4.75	4.25	3.75
291805	8255AC-5	DIP-40	CPU peripheral, 4MHz	4.75	4.25	3.75
52417	82C55A*	DIP-40	CPU peripheral, 8MHz, CMOS	4.95	4.49	3.95
52425	82C55A-5	DIP-40	CPU peripheral, 5MHz, CMOS	4.95	4.49	3.95
52759	8256*	DIP-40	Multi func. yproc. support controller	17.95	15.95	13.95
52775	8259*	DIP-28	Prog. interrupt controller	2.49	2.25	1.95
52839	8279*	DIP-40	CPU peripheral, 5MHz	10.95	9.95	7.95
52847	8279-5*	DIP-40	CPU peripheral, 5MHz	12.95	11.95	10.95
52871	8284A*	DIP-18	Clock generator/driver, 8MHz	4.95	4.49	3.95
52901	8287*	DIP-20	Octal bus transceiver	8.95	7.95	6.95
53031	8748H+	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	12.95	11.95	9.95
53057	8749H+	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	15.95	14.95	12.95
52978	87C51*	DIP-40	MCU, 8-bit, 32 I/O, 33MHz, CMOS	15.95	13.95	11.95

* 8049 (ROM not available for use) Tie pin 7 high to bypass the internal ROM to convert 8049 to 8039

** Tie pin 31 low to bypass the internal ROM * Pull = Extra Savings + Refurbished = Backed by Jameco

UARTs

Please Note: Manufacturer may vary

*Web Code: MAG

Part No.	Product No.	Pkg.	Description	1	10
43158	6402*	DIP-40	5V CMOS	\$6.95	\$5.95
27570	NS16C450N*	DIP-40	Asynch. comm. element, 5V	2.49	2.25
288809	TL16C550CN	DIP-40	1-channel w/ 16-byte FIFO, 5V	3.95	3.49

* Pull = Extra Savings

CHIPMAX2 LOW COST FAST UNIVERSAL PROGRAMMER

*Web Code: SUP

- USB interface
- 48-pin ZIF socket
- Input voltage: 5V, 3.3V, 2.7V, 1.8V
- No. of devices supported: 15,000+
- Supports: NAND Flash Memory, Standard Flash Memory, EPROM, EEPROM, Serial PROM, GAL, FPGA, MCU
- Made in the USA
- Free software updates for life

P/N 694866 CHIPMAX2 \$544.95

For more IC Programmers, see page 149

**Z80 MPUs**

Please Note: Manufacturer may vary

★ Web Code: JAF

Part No.	Product No.	Pkg.	Description	1	10
35561	Z80★	DIP-40	2.5MHz CPU (MK3880N/780C)	\$2.49	\$2.25
35596	Z80A★	DIP-40	4MHz CPU (MK3880N-4/780C-1)	2.95	2.75
35609	Z80A-CTC★	DIP-28	4MHz counter timer circuit (MK3882-4)	2.49	2.25
35625	Z80A-DART★	DIP-40	4MHz dual asynchronous receiver/trans	2.95	2.75
35641	Z80A-PIO★	DIP-40	4MHz parallel I/O interf. contr. (MK3881-4)	2.49	2.25
35668	Z80A-SIO/O★	DIP-40	4MHz serial I/O, TxCB & RxCB bond. (MK3884-4)	2.95	2.49
35705	Z80B★	DIP-40	6MHz CPU (MK3880N-6)	3.25	2.95
35781	Z84C00-4★	DIP-40	4MHz CPU (Z84C0004PEC) CMOS	2.95	2.49
61786	Z85C3008PS★	DIP-40	Serial communications controller	1.95	1.75

★ Pull = Extra Savings

EPROMs

★ Web Code: XAF

Part No.	★Mfr.	Product No.	Pkg.†	Config.	Description	1	10	100
33611	♦	TMS2716♦	DIP-24	2k x 8	450ns, 5V	\$1.75	\$1.49	\$1.25
40002	♦	2716♦	DIP-24	2k x 8	450ns, 5V	3.95	3.75	3.49
308662	♦	2716A-2	DIP-24	2k x 8	200ns, 5V	3.95	3.75	3.49
40096	♦	2732♦	DIP-24	4k x 8	450ns, 5V	5.95	5.49	3.95
40133	♦	2732A-45♦	DIP-24	4k x 8	450ns, 5V	3.95	3.75	3.49
40125	♦	2732A-25♦	DIP-24	4k x 8	250ns, 5V	4.95	4.49	3.95
114876	♦	2732B♦	DIP-24	4k x 8	450ns, 5V	4.49	4.25	3.95
40109	♦	2732A-20♦	DIP-24	4k x 8	200ns, 5V	5.49	4.95	4.49
266001	♦	27C32-150♦	DIP-24	4k x 8	150ns, 5V	5.95	5.49	4.95
40205	♦	2764-25♦	DIP-28	8k x 8	250ns, 5V	3.25	2.95	2.75
40192	♦	2764-20♦	DIP-28	8k x 8	200ns, 5V	4.25	3.95	3.75
40248	♦	2764A-25♦	DIP-28	8k x 8	250ns, 5V	2.95	2.75	2.49
40230	♦	2764A-20♦	DIP-28	8k x 8	200ns, 5V	4.25	3.95	3.75
698322	ST	M27C64A-15F1	FDIP-28	8k x 8	150ns, 5V (±10%)	5.95	5.49	5.25
39845	♦	27C64-25♦	DIP-28	8k x 8	250ns, 5V	3.49	3.25	2.95
74608	♦	27C64-20♦	DIP-28	8k x 8	200ns, 5V	3.75	3.49	3.25
39829	♦	27C64-15♦	DIP-28	8k x 8	150ns, 5V	4.25	3.95	3.75
105304	♦	27C64-12♦	DIP-28	8k x 8	120ns, 5V	4.49	4.25	3.85
266036	♦	27C64-100	DIP-28	8k x 8	100ns, 5V	4.95	4.55	4.05
39984	♦	27128A-25♦	DIP-28	16k x 8	250ns, 5V	3.95	3.75	3.49
39950	♦	27128A-15♦	DIP-28	16k x 8	150ns, 5V	4.25	3.95	3.55
39685	♦	27C128-25♦	DIP-28	16k x 8	250ns, 5V	3.75	3.49	3.25
101101	♦	27C128-20♦	DIP-28	16k x 8	200ns, 5V	3.95	3.75	3.49
87935	♦	27C128-12♦	DIP-28	16k x 8	120ns, 5V	4.49	4.25	3.95
40045	♦	27256-20♦	DIP-28	32k x 8	200ns, 5V	2.55	2.25	1.95
40037	♦	27256-15♦	DIP-28	32k x 8	150ns, 5V	3.49	3.25	2.95
39731	♦	27C256-25♦	DIP-28	32k x 8	250ns, 5V	2.35	2.15	1.85
39722	♦	27C256-20♦	DIP-28	32k x 8	200ns, 5V	2.55	2.25	1.95
39714	♦	27C256-15♦	DIP-28	32k x 8	150ns, 5V	2.75	2.49	2.25
698111	ST	M27C256B-15F1	FDIP-28	32k x 8	150ns, 5V	3.95	3.49	3.25
65904	♦	27C256-12♦	DIP-28	32k x 8	120ns, 5V	3.65	3.49	3.25
698091	ST	M27C256B-12F1	FDIP-28	32k x 8	120ns, 5V	4.25	3.75	3.49
112740	♦	27C256-10♦	DIP-28	32k x 8	100ns, 5V	3.75	3.25	2.95
698082	ST	M27C256B-10F1	FDIP-28	32k x 8	100ns, 5V	4.49	3.95	3.59
140476	♦	27C256-70♦	DIP-28	32k x 8	70ns, 5V	4.75	4.49	3.95
266079	♦	27C256-55	DIP-28	32k x 8	55ns, 5V	4.75	4.49	3.95
39802	♦	27C512-25♦	DIP-28	64k x 8	250ns, 5V	1.95	1.75	1.75
39790	♦	27C512-20♦	DIP-28	64k x 8	200ns, 5V	2.25	1.95	1.75
39781	♦	27C512-15♦	DIP-28	64k x 8	150ns, 5V	2.75	2.49	2.25
698234	ST	M27C512-15F1	FDIP-28	64k x 8	150ns, 5V	4.19	3.95	3.75
39773	♦	27C512-12♦	DIP-28	64k x 8	120ns, 5V	2.95	2.75	2.49
698226	ST	M27C512-12F1	FDIP-28	64k x 8	120ns, 5V	4.19	3.95	3.75
131959	♦	27C512-10♦	DIP-28	64k x 8	100ns, 5V	2.95	2.75	2.49
203625	♦	27C512-70	DIP-28	64k x 8	70ns, 5V	3.95	3.75	3.49
203641	♦	27C1024-12	DIP-40	64k x 16	120ns, 5V	3.95	3.25	2.75
39651	♦	27C010-15♦	DIP-32	128k x 8	150ns, 5V	3.49	3.25	2.95

♦ Refurbished = Backed by Jameco † FDIP = Ceramic frit seal

EPROMs (Continued)

★ Web Code: XAF

Part No.	★Mfr.	Product No.	Pkg.†	Config.	Description	1	10	100
697987	ST	M27C1001-15F1	FDIP-32	128k x 8	150ns, 5V	\$4.95	\$4.75	\$4.49
74624	♦	27C010-12♦	DIP-32	128k x 8	120ns, 5V	3.49	3.25	2.95
697961	ST	M27C1001-12F1	FDIP-32	128k x 8	120ns, 5V	6.95	6.25	5.59
79231	♦	27C010-10♦	DIP-32	128k x 8	100ns, 5V	3.49	3.25	2.95
697944	ST	M27C1001-10F1	FDIP-32	128k x 8	100ns, 5V	4.75	4.49	4.25
146149	♦	27C010-70♦	DIP-32	128k x 8	70ns, 5V	4.25	3.95	3.75
698007	ST	M27C1001-70F1	FDIP-32	128k x 8	70ns, 5V	4.75	4.49	4.25
65699	♦	27C020-15♦	DIP-32	256k x 8	150ns, 5V	3.75	3.49	3.25
78852	♦	27C020-12♦	DIP-32	256k x 8	120ns, 5V	4.49	3.95	3.59
698031	ST	M27C2001-12F1	FDIP-32	256k x 8	120ns, 5V	5.95	5.49	4.95
156267	♦	27C020-10	DIP-32	256k x 8	100ns, 5V	4.25	3.95	3.75
127933	♦	27C4096-12	DIP-40	256k x 16	120ns, 5V	5.49	4.95	4.49
85462	♦	27C040-15♦	DIP-32	512k x 8	150ns, 5V	4.49	4.25	3.95
102293	♦	27C040-12♦	DIP-32	512k x 8	120ns, 5V	4.95	4.75	4.49
111780	♦	27C040-10♦	DIP-32	512k x 8	100ns, 5V	4.95	4.75	4.49
203676	♦	27C040-80	DIP-32	512k x 8	80ns, 5V	4.95	4.75	4.49
266124	♦	27C040-70	DIP-32	512k x 8	70ns, 5V	5.25	4.95	4.75
156275	♦	27C080-10	DIP-32	1M x 8	100ns, 5V	8.95	7.95	7.25
203684	♦	27C080-90	DIP-32	1M x 8	90ns, 5V	9.49	8.49	7.49
265842	♦	27C800-12	DIP-42	1M x 8	120ns, 5V	2.95	2.75	2.49

♦ Refurbished = Backed by Jameco † FDIP = Ceramic frit seal

OTP/PROMs

★ Web Code: WAG

Part No.	★Mfr.	Product No.	Pkg.	Config.	Description	1	10	100
27844	♦	N82S23	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM ..	\$4.95	\$3.95	\$2.95
27764	♦	N82S123	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	7.95	6.95	4.95
48696	♦	74S287	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	5.95	4.95	3.95
27781	♦	N82S129	DIP-16	256 x 4	1-kbit, 7V, 50ns, PROM	10.95	9.95	8.95
27799	♦	N82S131	DIP-16	512 x 4	2-kbit, 7V, 50ns, PROM	7.95	6.95	5.95
27810	♦	N82S181	DIP-24	1k x 8	8-kbit, 7V, 70ns, PROM	6.95	5.95	4.95
27828	♦	N82S185	DIP-18	2k x 4	8-kbit, 7V, 100ns, PROM	1.49	1.25	1.09
27836	♦	N82S191	DIP-24	2k x 8	16-kbit, 7V, 35ns, PROM	3.95	2.95	1.95
394986	ATM	AT27C256R-45PU	DIP-28	32k x 8	256-kbit, 45ns OTP, LP, I-temp.	1.95	1.75	1.49
395081	ATM	AT27C512R-70PU	DIP-28	64k x 8	512-kbit, 5V, 70ns, I-temp., OTP	2.25	1.95	1.75
203692	♦	27C512-12	DIP-28	64k x 8	512-kbit, 5V, 100ns, OTP	1.95	1.75	1.49
394708	ATM	AT27C010-70PU	DIP-32	128k x 8	1-Mbit, 5V, 70ns, I-temp., OTP ...	2.95	2.75	2.49
2153561	ATM	AT27C080-10PU	DIP-32	1M x 8	8-Mbit, 5V, 100ns, OTP	4.95	4.49	3.95

★ Network ICs — Enter Web Code JEQ

EEPROMs

Please Note: Manufacturer may vary

★ Web Code: GAM

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
102058	93C46	DIP-8	64 x 16	3-wire serial, 2-5V	\$0.25	\$0.22	\$0.19
108855	93C56	DIP-8	128 x 16	3-wire serial, 2-5V	*	.12	.09
108847	24C04P	DIP-8	512 x 8	2-wire serial, 2-5V .....	.45	.39	.35
200555	24C16-10	DIP-8	2k x 8	2-wire serial, 5V .....	.45	.39	.35
74691	28C16A-25	DIP-24	2k x 8	Page parallel, 5V	3.95	3.75	3.49
276701	28C17	DIP-28	2k x 8	Page parallel, 5V	4.95	4.49	3.95
276752	28C64	SOIC-28	8k x 8	Page parallel, 5V .....	.99	.89	.79
74827	28C64A-25	DIP-28	8k x 8	Page parallel, 5V	3.75	3.49	3.25
200580	24C256-10	DIP-8	32k x 8	2-wire serial, 2-5V .....	.69	.59	.49
74878	28C256-25	DIP-28	32k x 8	Page parallel, 5V	5.25	4.95	4.25
74843	28C256-15	DIP-28	32k x 8	Page parallel, 5V	5.49	5.25	4.49
276832	24C512	DIP-8	64k x 8	2-wire serial, 2.5V	1.95	1.75	1.49
276912	24C1024	DIP-8	128k x 8	2-wire serial, 2.7-5V	4.95	4.49	4.25

Memory Modules

Please Note: Manufacturer may vary

★ Web Code: GAG

Part No.	Product No.	Capacity	Description	Config.	Pins	1	10
130729	JEE07208	8MB	60ns SIMM EDO	2M x 32	72	\$0.79	\$0.59
75133	P361000-XX-6	4MB	60ns SIMM	1M x 36	72	3.95	2.95

* ATM = Atmel Semiconductor | ST = ST Micro | ♦ Major Brands

* For additional products, availability, and additional specifications visit [Jameco.com](http://www.Jameco.com) and enter the web code in the product search box

Memory, Static RAM, DRAM, PAL/GAL/PEELs & Anti-Static Accessories

Flash Memory

Please Note: Manufacturer may vary

★ Web Code: KAJ

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
74771	28F010-15	DIP-32	128k x 8	150ns, 5V	\$1.95	\$1.75	\$1.49
242587	29F010-120	DIP-32	128k x 8	120ns, 5V	3.95	3.75	3.49
242595	29F010-90	DIP-32	128k x 8	90ns, 5V	4.25	3.95	3.75
242608	29F010-70	DIP-32	128k x 8	70ns, 5V	4.49	4.25	3.95
74835	28F020-15	DIP-32	256k x 8	150ns, 5V	4.25	3.95	3.75
242659	29F040-120	DIP-32	512k x 8	120ns, 5V	4.75	4.25	3.95
242667	29F040-90	DIP-32	512k x 8	90ns, 5V	5.95	5.49	5.25

★ Zilog Flash MCUs — Enter Web Code JAF

Static RAM

★ Web Code: WAF

Part No.	*Mfr.	Product No.	Pkg.	Config.	Description	1	10
38931	◆	2111-1	DIP-18	256 x 4	1-Kbit, 5V, 500ns	\$2.25	\$1.95
42198	◆	5101★	DIP-22	256 x 4	1-Kbit, 5V, 450ns	7.95	6.95
38957	◆	2114N	DIP-18	1k x 4	4-Kbit, 5V, 450ns	2.25	1.95
43238	◆	6514	DIP-18	1k x 4	4-Kbit, 5V, 300ns	2.95	2.75
38973	◆	2114N-2	DIP-18	1k x 4	4-Kbit, 5V, 200ns	2.49	2.25
38981	◆	2114N-2L	DIP-18	1k x 4	4-Kbit, 5V, 450ns, LP	2.69	2.39
38738	◆	2016-12	DIP-24	2k x 8	16-Kbit, 5V, 120ns	1.15	1.05
38746	◆	2016-20★	DIP-24	2k x 8	16-Kbit, 5V, 200ns	1.15	1.05
114260	DAL	DS1220Y-150	DIP-24	2k x 8	16-Kbit, 5V, 150ns, NV	12.95	10.95
25911	◆	MK48Z02B-15	DIP-24	2k x 8	16-Kbit, 5V, 150ns	7.95	6.95
42809	◆	6116P-3N★	DIP-24	2k x 8	16-Kbit, 5V, 150ns	1.75	1.55
42796	◆	6116P-2★	DIP-24	2k x 8	16-Kbit, 5V, 120ns	1.79	1.59
42788	◆	6116P-1★	DIP-24	2k x 8	16-Kbit, 5V, 100ns	1.85	1.65
42737	◆	6116LP-1★	DIP-24	2k x 8	16-Kbit, 5V, 100ns, LP	2.09	1.95
242683	CPS	CY7C128A-45	DIP-24	2k x 8	16-Kbit, 5V, 45ns, Asynch.	2.95	2.75
242675	◆	6116-70	DIP-24	2k x 8	16-Kbit, 5V, 70ns	2.25	1.95
85121	◆	6264LP-70	DIP-28	8k x 8	64-Kbit, 5V, 70ns, LP	3.75	3.49
42884	◆	6264LP-10★	DIP-28	8k x 8	64-Kbit, 5V, 100ns, LP	2.95	2.75
42892	◆	6264LP-12★	DIP-28	8k x 8	64-Kbit, 5V, 120ns, LP	2.75	2.49
42921	◆	6264P-10★	DIP-28	8k x 8	64-Kbit, 5V, 100ns	2.75	2.49
42930	◆	6264P-12★	DIP-28	8k x 8	64-Kbit, 5V, 120ns	2.49	2.25
114278	DAL	DS1225AB-15	DIP-28	8k x 8	64-Kbit, 5V, 150ns, NV	14.95	12.95
114307	DAL	DS1225Y-200	DIP-28	8k x 8	64-Kbit, 5V, 200ns, NV	11.95	10.95
242376	◆	CY7C199P-35	DIP-28	32k x 8	256-Kbit, 5V, 35ns, LP Asynch. ...	1.95	1.75
177113	DAL	DS1230Y-100	DIP-28	32k x 8	256-Kbit, 5V, 100ns, NV	13.95	12.95
114323	DAL	DS1230Y-150	DIP-28	32k x 8	256-Kbit, 5V, 150ns, NV	12.95	11.95
41970	◆	43256-10L★	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	3.75	3.49
41988	◆	43256-12L★	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	3.75	3.49
75037	◆	UM61M256K-15	DIP-28	32k x 8	256-Kbit, 5V, 15ns	2.95	1.95
82472	◆	62256LP-70	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.75	2.49
391793	CPS	CY62256L-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns	3.49	3.25
391822	CPS	CY62256LL-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	3.59	3.39
42876	◆	62256LP-85	DIP-28	32k x 8	256-Kbit, 5V, 85ns, LP	2.65	2.45
42833	◆	62256LP-10★	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	2.49	2.25
42850	◆	62256LP-12★	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	2.25	2.05
279857	◆	62256S-15	SOJ-28	32k x 8	256-Kbit, 5V, 150ns .....	.79	.59
1927457	ALM	AS6C1008-55PCN	PDIP-32	128k x 8	1M LP, 55ns, 2.7-5.5V, C-temp ..	4.95	4.49
391831	CPS	CY62128BLL-70SC	SOIC-32	128k x 8	1-Mbit, 5V, 70ns, LP	1.49	1.25
131810	◆	628128LP-70	DIP-32	128k x 8	1-Mbit, 5V, 70ns, LP	6.95	5.95
103982	◆	628128LP-85★	DIP-32	128k x 8	1-Mbit, 5V, 85ns, LP	4.95	4.49
1927617	ALM	AS6C4008-55PCN	PDIP-32	512k x 8	4M LP, 55ns, 2.7-5.5V, C-temp ..	5.95	5.49
242448	◆	BS62LV4006PIP-55	PDIP-32	512k x 8	4M LP, 55ns, 2.4-5.5V, I-temp ..	18.95	16.95
157358	◆	628512LP-70	DIP-32	512k x 8	4-Mbit, 5V, 70ns, LP	17.95	15.95

★ Pull = Extra Savings

Legacy Intel® Desktop Processors

★ Web Code: ITL

Part No.	Description	Speed (MHz)	Package	1	10
130841	Intel Pentium® processor	166	296/PGA	\$3.95	\$2.95

★ SDRAMs — Enter Web Code RAY

★ MPUs — Enter Web Code MPT

DRAM

Please Note: Manufacturer may vary

★ Web Code: DRM

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
41339	4116-15	DIP-16	16k x 1	150ns (MM5290J-1R)	\$.99	\$.89	\$.79
41662	4164-150★	DIP-16	64k x 1	150ns (MCM6665-15) .....	.99	.89	.79
41574	41464-10★	DIP-18	64k x 4	100ns (HY53C464S-10)	1.69	1.59	1.45
41398	41256-120★	DIP-16	256k x 1	120ns (MB81256-12) .....	.79	.69	.59
128688	HM514260AJ7★	SOJ-40	256k x 16	70ns	1.49	1.25	.95
42219	511000P-10	DIP-18	1M x 1	100ns (M5M4C1000-10)	1.95	1.49	1.25

★ Pull = Extra Savings



Dallas Semiconductors

★ Web Code: QDH

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
114198	DS1210	DIP-8	NV controller chip	\$3.95	\$3.25	\$2.49
114219	DS1213C	DIP-28	Smart socket	21.95	19.95	18.95
133410	DS1216C	DIP-28	Smart watch/RAM	25.95	22.95	17.95
114331	DS1232LP	DIP-8	Micromonitor chip	1.95	1.65	1.29
697231	DS1243Y-120+R	DIP-28	64k NV SRAM w/ phantom clock	17.95	15.95	14.25
133444	DS1286	DIP-28	Watchdog timekeeper	19.95	17.95	15.95
176778	DS1302	DIP-8	Trickle charge time keeping	3.25	2.39	1.69
780481	DS1302+R	DIP-8	Trickle charge time keeping chip, C-temp ..	2.95	2.15	1.69
1194679	DS1307R	DIP-8	5V, 64 x 8 serial I2C real time clock, C-temp ..	3.49	2.75	1.75
1194695	DS1307N	DIP-8	5V, 64 x 8 serial I2C real time clock, I-temp ..	2.95	2.25	2.05
114382	DS1620	DIP-8	Digital thermometer and thermostat ..	5.95	4.95	3.49
865936	DS18B20R	TO-92	Prog. resolution 1-wire digital thermometer ..	3.95	2.49	2.19
133452	DS12887	DIP-24	Real time clock chip	6.95	5.95	4.95

★ CPLDs and FPGAs — Enter Web Code SAZ



Voice Chip

Single-Chip Voice Record/Playback Device

- Manual switch or microprocessor controllable
- Directly cascadable for longer durations
- Single voltage operation: +5V (4.5V to 5.5V operating range)
- Playback can be edge or level-activated
- 28-pin DIP
- Typical 100k record cycles, 1µA standby current and 100 year message retention



Part No.	Mfr. Part No.	Description	1	10	50
141671	ISD1110P	Voice record/playback (10 sec.)	\$6.95	\$6.25	\$5.49

PALs, GALs & PEELs

★ Web Code: YAD

* Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10
28020	◆	PAL16L8	DIP-20	Octal 16-input AND-OR-INVERT gate array	\$1.49	\$1.25
111667	◆	PAL16R6ANC	DIP-20	TTL, 32 x 64 AND array	* .19	
88399	◆	GAL16V8-10★	DIP-20	10ns 64 x 32 AND array	2.49	2.25
37452	◆	GAL16V8-15★	DIP-20	15ns 64 x 32 AND array	2.49	2.25
37461	◆	GAL16V8-25★	DIP-20	25ns 64 x 32 AND array	2.49	2.25
876539	LAT	GAL16V8D-25LP	DIP-20	25ns 64 x 32 AND array	2.49	2.25
38658	◆	GAL20V8-15★	DIP-24	15ns 64 x 40 AND array	2.49	2.25
105996	ANA	22CV10AP-25	DIP-24	25ns 132 x 44 AND array, PEEL	2.95	2.75
39159	◆	GAL22V10-15	DIP-24	15ns 132 x 44 AND array	3.75	3.49
39167	◆	GAL22V10-25	DIP-24	25ns 132 x 44 AND array	2.95	2.75

GALs are electrically erasable, CMOS PLDs that can be reprogrammed and can be used in place of numerous PALs

* Replaces PALs: 10H8, 10L8, 10P8, 12H6, 12L6, 12P6, 14H4, 14L4, 14P4, 16H2, 16H8, 16L2, 16L8, 16P2, 16P8, 16R4, 16R6, 16R8, 16RP4, 16RP6, 16RP8, 14H8, 14L8, 14P8, 16H6, 16L6, 16P6

** Replaces PALs: 18H4, 18L4, 18P4, 20H2, 20H8, 20L2, 20L8, 20P2, 20P8, 20R4, 20R6, 20R8, 20RP4, 20RP6, 20RP8

IC Anti-Static Accessories

★ Web Code: XAA

* Order in multiples of 10

Part No.	Product No.	Description	1	10	100
13864	CF2	Conductive foam (12" x 24" x .25") hard black	\$11.95	\$10.95	\$9.95
29516	RIC20	.300" anti-static rail for 8, 14, 16, 18, 20 & 22-pin ICs .....	.29	.25	.22
29524	RIC220	.600" anti-static rail for 24, 28, 36 & 40-pin ICs .....	.29	.25	.22
29583	RRS	Storage tube rubber stopper	*	.09	.07

Additional Anti-Static Products, IC Accessories and Tools see page 135

* ALM = Alliance Memory | ANA = Anachip | CPS = Cypress Semiconductor | DAL = Dallas Semiconductor | LAT = Lattice Semiconductor | ◆ Major Brands

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



Microcontrollers

*Web Code: PAV

Part No.	*Mfr.	Mfr. Part No.	Pkg.	Description	1	10	100
310974	MCH	PIC10F200-1/P	DIP-8	256 flash, 4MHz, 4 I/O	\$.49	\$.45	\$.39
310982	MCH	PIC10F202-1/P	DIP-8	512 flash, 4MHz, 4 I/O	.59	.49	.45
145040	MCH	PIC12C508A-04/P	DIP-8	512 OTP, 4MHz, 5 I/O	1.05	.95	.85
144258	MCH	PIC12C509A-04/P	DIP-8	1k OTP, 4MHz, 5 I/O	1.05	.95	.85
2177643	MCH	PIC12F509-1/P	DIP-8	1k flash, 4MHz, 6 I/O	.65	.59	.55
223790	MCH	PIC12F629-1/P	DIP-8	1k flash, 20MHz, 6 I/O	.95	.89	.85
223781	MCH	PIC12F675-1/P	DIP-8	1k flash, 20MHz, 6 I/O	.99	.95	.89
312514	MCH	PIC12F683-1/P	DIP-8	2k flash, 20MHz, 6 I/O	1.39	1.29	1.25
247214	MCH	PIC16C54C-20/P	DIP-18	512 OTP, 25-bit, 20MHz	1.05	.85	.75
247484	MCH	PIC16C67-20/P	DIP-40	8k OTP, 368-bit, 20MHz	3.49	2.49	2.25
193359	MCH	PIC16C711-04/P	DIP-18	1k OTP, 4MHz, 13 I/O	1.49	1.25	.95
145111	MCH	PIC16F84A-04/P	DIP-18	1k flash, 4MHz, 13 I/O	3.55	3.45	3.35
193332	MCH	PIC16F84A-20/P	DIP-18	1k flash, 20MHz, 13 I/O	3.95	3.75	3.55
246861	MCH	PIC16F84A-20/P	DIP-18	1k flash, 20MHz, 13 I/O	4.25	4.05	3.75
312733	MCH	PIC16F88-1/P	DIP-18	4k flash, 20MHz, 16 I/O	3.25	2.95	2.75
193439	MCH	PIC16F627-20/P	DIP-18	1k flash, 20MHz, 16 I/O	2.49	2.25	1.95
193447	MCH	PIC16F628-20/P	DIP-18	2k flash, 20MHz, 16 I/O	2.95	2.75	2.59
246756	MCH	PIC16F628-20/P	DIP-18	2k flash, 20MHz, 16 I/O	3.59	3.45	3.25
223749	MCH	PIC16F630-1/P	DIP-14	1k flash, 20MHz, 12 I/O	1.19	1.09	.95
247142	MCH	PIC16F648A-1/P	DIP-18	4k flash, 20MHz, 16 I/O	2.09	1.95	1.79
223757	MCH	PIC16F676-1/P	DIP-14	1k flash, 20MHz, 12 I/O	1.49	1.35	1.19
312590	MCH	PIC16F684-1/P	DIP-14	2k flash, 20MHz, 12 I/O	1.55	1.39	1.29
312611	MCH	PIC16F688-1/P	DIP-14	4k flash, 20MHz, 12 I/O	1.95	1.75	1.65
2127523	MCH	PIC16F690-1/P	DIP-20	7k flash, 20MHz, 18 I/O	1.89	1.75	1.59
246895	MCH	PIC16F870-1/SP	DIP-28	2k flash, 20MHz, 22 I/O	2.95	2.85	2.75
246975	MCH	PIC16F873A-1/SP	DIP-28	4k flash, 20MHz, 22 I/O	3.95	3.75	3.49
193367	MCH	PIC16F876-20/SP	DIP-28	8k flash, 20MHz, 22 I/O	5.95	5.75	5.49
247011	MCH	PIC16F876A-1/SP	DIP-28	8k flash, 20MHz, 22 I/O	4.49	4.35	4.15
247046	MCH	PIC16F877A-1/L	PLCC-44	8k flash, 20MHz, 33 I/O	5.49	5.25	4.95
176882	MCH	PIC16F877-20/P	DIP-40	8k flash, 20MHz, 22 I/O	5.65	5.45	5.25
247038	MCH	PIC16F877A-1/P	DIP-40	8k flash, 20MHz, 33 I/O	4.85	4.69	4.55
2127531	MCH	PIC16F886-1/P	DIP-28	14k flash, 20MHz, 25 I/O	1.95	1.85	1.75
2127540	MCH	PIC16F887-1/P	DIP-40	14k flash, 20MHz, 35 I/O	2.15	2.05	1.95
247994	MCH	PIC18F252-1/SP	DIP-28	32k flash, 40MHz, 23 I/O	5.75	5.29	5.09
248031	MCH	PIC18F452-1/P	DIP-40	32k flash, 40MHz, 34 I/O	5.95	5.75	5.59
248057	MCH	PIC18F458-1/P	DIP-40	32k flash, 40MHz, 33 I/O	6.95	6.59	6.19
2177651	MCH	PIC18F2550-1/SP	DIP-28	32k flash, 48MHz, 24 I/O	5.49	4.19	4.05
2177678	MCH	PIC18F4550-1/P	DIP-40	32k flash, 48MHz, 35 I/O	5.49	4.39	4.25
248330	ATM	ATMEGA8-16PI	DIP-28	8k flash, 16MHz, 23 I/O	4.75	4.25	3.75
323133	ATM	ATMEGA16-16PU	DIP-40	6k flash, 16MHz, 32 I/O	4.49	4.25	3.95
765302	ATM	ATTINY13-20PU	DIP-8	1k flash, 20MHz, 6 I/O	2.25	2.05	1.85
2151312	ATM	ATTINY85-20PU	DIP-8	8k flash, 20MHz, 6 I/O	1.95	1.75	1.59
168874	ATM	AT89C2051-24PU	DIP-20	2k flash, 24MHz, 15 I/O	1.49	1.35	1.15
204089	ATM	AT89C4051-24PU	DIP-20	4k flash, 24MHz, 15 I/O	2.45	2.15	1.75
689039	ATM	ATTINY2313V-10PU	DIP-20	2k flash, 10MHz, 18 I/O	1.85	1.69	1.49
1537061	ATM	ATTINY2313-20PU	DIP-20	2k flash, 20MHz, 18 I/O	2.95	2.49	2.29
323141	ATM	ATMEGA8515-16PC	DIP-40	8k flash, 16MHz, 35 I/O	3.95	3.75	3.49
168911	ATM	AT89C51-24JC	PLCC-44	4k flash, 24MHz, 32 I/O	1.49	1.25	1.09
168903	ATM	AT89C51-24PC	DIP-40	4k flash, 24MHz, 32 I/O	2.49	2.25	1.95
168920	ATM	AT89C52-24PC	DIP-40	8k flash, 24MHz, 32 I/O	2.95	2.49	1.95
220871	ATM	AT89S52-24JI	PLCC-44	8k flash, 24MHz, 32 I/O	1.39	1.25	1.09
662637	ATM	AT89S52-24PC	DIP-40	8k flash, 24MHz, 32 I/O	1.95	1.75	1.55
168946	ATM	AT89C55WD-24PC	DIP-40	20k flash, 24MHz, 32 I/O	2.59	2.49	2.29
2139111	ATM	ATMEGA328P-PU	DIP-28	32k flash, 8-bit, 20MHz	4.95	4.49	4.09
2129334	ATM	A000048	DIP-28	32k flash, 8-bit, ATmega328	5.49	4.95	4.49
114403	DAL	DS80C320-MCG	DIP-40	High speed LP micro	9.95	7.95	5.95
1951035	ATM	AT89S8253-24PU	DIP-40	12k flash, 24MHz, 32 I/O	2.95	2.49	2.25

* ATM = Atmel Semiconductor | DAL = Dallas Semiconductor | MAX = Maxim Semiconductor | MCH = Microchip | ST = ST Micro | ♦ Major Brands

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

80C52-BASIC Microcontroller

*Web Code: CAH

A custom-masked microcontroller with a full-featured 8k-byte ROM-resident BASIC-52 interpreter. 256 x 8-bit RAM.

- Full BASIC interpreter in ROM on a single chip
- Operates DC to 12MHz
- "Stand-alone" software development
- On-chip oscillator and clock circuit
- Interrupts can be handled by BASIC or Assembly Language

Part No.	Mfr. Part No.	Description	1	10	50
125647	80C52BASIC	40-pin CPU 8-bit CMOS w/ BASIC interpreter	\$33.95	\$31.95	\$29.95



Propeller Microprocessor Chip

Designed for high-speed embedded processing while maintaining low-power and low-current consumption.

Part No.	Mfr. Part No.	Package	1	10
2007134	P8X32A-D40	DIP-40	\$12.95	\$11.95



BASIC Stamp Modules

*Web Code: BSM

• 183071: BS2 OEM Kit Z

Part No.	Mfr. Part No.	Package	Speed	No. of I/O Pins	1	5
127693	BS1-IC	14-pin	4MHz	8	\$28.95	\$26.95
183071	27291	20-pin SIP	—	—	29.95	27.95
130892	BS2-IC	24-pin	20MHz	16 + 2	48.95	43.95
184911	BS2P24-IC	24-pin	20MHz (turbo)	16 + 2	74.95	69.95
184920	BS2P-40-IC	40-pin	20MHz (turbo)	16 + 2	88.95	79.95
159775	BS2SX-IC	24-pin	50MHz (turbo)	16 + 2	58.95	52.95

See page 160 for Parallax Boards & Kits

Interface Series

*Web Code: RBU

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10
1291647	MCH	TC4420CPA	DIP-8	6A high speed MOSFET driver	\$1.49	\$1.29
312160	MAX	MAX7219CNG	DIP-24	5V, 8 digit LCD driver	7.95	6.95
313322	♦	ICM7228AIP	DIP-28	5V, 8 digit LCD driver	5.25	4.45
241875	♦	FAN8082	DIP-8	18V, bi-directional DC motor driver	1.19	1.09
277940	♦	SN75179BP	DIP-8	5V, diff line driver/receiver	1.09	.99
51027	♦	SN75451AN	DIP-8	7V, dual peripheral AND driver	.55	.45
51131	♦	SN75492P	DIP-14	5V, HEX digit driver	2.95	2.49

* Ethernet Controllers — Enter Web Code LAE

* Interface Controllers — Enter Web Code HAS



Digital Interface

*Web Code: WBB

Part No.	Mfr. Part No.	Pkg.	Description	1	10	50
171951	PDN702	DIP-18	Serial LCD interface	\$7.19	\$6.75	\$6.25
171969	PDN1144	DIP-18	Keypad encoder	5.19	4.95	4.75
141532	PDN1200	DIP-18	Unipolar stepper motor controller	6.39	5.95	5.49

Stepper Motor Drivers/Controllers

*Web Code: GDP

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
288067	ST	L297/1	DIP-20	Stepper motor controller, 5V	\$8.95	\$7.95	\$6.95
245403	ST	L298N	MW-15	Dual full-bridge driver, 46V	2.75	2.49	2.35
288091	ST	L6202	DIP-18	DMOS full-bridge driver, 48V	5.95	4.95	3.95
288104	ST	L6203	MW-11	DMOS full-bridge driver, 48V	7.49	6.95	6.25

* Motion Control — Enter Web Code DEU

Buffer

*Web Code: WBR

Part No.	Product No.	Pkg.	Description	1	10	100
23051	LH0002CN	DIP-10	General purpose buffer	\$12.95	\$11.95	\$10.95

Motor/Display Drivers

*Web Code: DAD

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
1762681	ALL	UDN2981A-T	DIP-18	8-channel source driver	\$2.49	\$2.25	\$1.95
24230	NSC	LM3914N	DIP-18	25V, dot/bar display driver	2.75	2.49	2.25
300003	NSC	LM3914N-1	DIP-18	25V, dot/bar display driver	2.25	1.85	1.59
24256	NSC	LM3915N	DIP-18	25V, dot/bar display driver	2.95	2.75	2.49
901061	NSC	LM3915N-1	DIP-18	3dB/step, 30db range dot/bar disp. dvr	2.75	2.25	1.95
24272	NSC	LM3916N	DIP-18	3-25V, dot/bar display driver	2.49	2.15	1.89
2126299	HIT	HA13426	ST-23TA	3 phase motor driver	1.95	1.75	1.25
241824	MOT	MC14489BP	DIP-20	5V, 7-segment LED display driver	4.75	4.25	3.49
2129959	TI	SN65512CN	DIP-20	Dot/vacuum fluorescent display driver	.49	.45	.39

KAE Servo Controllers

*Web Code: YBC

Controller operates from standard 8-bit serial interface (RS232 or RS485). Using RS485, any mix of up to 32 controllers may be operated from a single serial port. Complete documentation.

146472: PIC-SERVO Motion Control Chipset for DC Motors

- For DC motors with digital encoders
- 32-bit position, velocity and acceleration resolution
- PWM and direction outputs connect to servo amplifier
- Two chipset (PIC-SERVO V.4, 28-pin and PIC-ENC V.1, 18-pin)

323934: PIC-SERVO SC Servo Motion Control I.C.

- For DC motors (brush or brushless w/ incremental encoder feedback)
- Serial interface connects to RS232/485/422 communication port
- Position control, velocity control, trapezoidal profiling, plus step and direction inputs

2134467: Motion Basic Controller Chip

- Microcontroller allowing the creation of simple stand-alone motion control programs
- Controls up to 8 PIC control board modules

Part No.	Mfr.	Part No.	Package	1	5	25
146472	KAE	TOV4-DPS	DIP-28/18, 0.3"	\$35.95	\$34.49	\$32.95
323934	KAE	TOV10-DP	DIP-28, 0.3"	29.95	28.49	26.95
2134467	KAE	MBV1-DP	DIP-28, 0.3"	28.95	27.49	25.95

KAE Smart Serial Adapter

Serial Converter/Stand Alone Host Controller

- Supports USB or RS232 serial interface
- Up to 32 NMC PIC-SERVO, PIC-STEP, PIC-I/O modules can be controlled from a single smart serial adapter
- RS232 operation supports baud rates from 19,200 to 115,200
- Supports Windows®, LINUX®, Mac® OS, and other operating systems
- May be used as a stand alone host with either the simple sequencer chip or a PIC18F2620 MCU
- On board connector for MICROCHIP MPLAB ICD2

Part No.	Mfr.	Part No.	Description	1	5
1586120	KAE	SSA485-BDV2	Smart serial adapter	\$99.95	\$94.95

KAE PIC-I/O General Purpose I/O Controller

- Allows the addition of general purpose I/O capabilities to your motion control system
- Controller: PIC digital and analog I/O
- 12 digital I/O pins programmable as inputs or outputs
- Three 8-bit analog inputs
- Two PWM output channels with high current (5 amp) drivers

Part No.	Mfr.	Part No.	Description	1	5
2134475	KAE	T2V1-BDV	General purpose I/O controller	\$115.95	\$109.95

Encoders/Decoders

*Web Code: VAR

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
296702	MOT	MC145026P	DIP-16	Encoder, 4.5-18V	\$2.95	\$2.75	\$2.49
296711	MOT	MC145027P	DIP-16	Decoder, 4.5-18V	1.95	1.75	1.49
123730	HOL	HT12E	DIP-18	Encoder, 2.4-12V	1.75	1.55	1.35
123748	HOL	HT12D	DIP-18	Decoder, 2.4-12V	1.65	1.45	1.25

*ADI = Analog Devices | ALL = Allegro | HIT = Hitachi | HOL = Holtek | MAX = Maxim Semi | MOT = Motorola | NSC = National Semi | SAM = Samsung | TI = Texas Ins. | ♦ Major Brands

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

RS-232 Drivers/Receivers

*Web Code: EAV

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
142535	♦	MAX202CPE	DIP-16	5V, 120kbps, w/ 0.1µF ext. caps	\$2.95	\$2.25	\$1.59
24811	♦	MAX232CPE*	DIP-16	5V, 200kbps, multichannel	1.85	1.65	1.25
24812	♦	MAX232CPE	DIP-16	5V, 200kbps, multichannel	1.95	1.75	1.35
318959	MAX	MAX232CPE	DIP-16	5V, 200kbps, multichannel	2.49	2.09	1.59
256401	♦	MAX232DR	SOIC-16	5V, 120kbps, dual driver/rcvr	.59	.45	.39
698576	TI	MAX232N	DIP-16	Dual EIA-232 driver/receiver, C-temp	.79	.69	.59
903277	TI	MAX232IN	DIP-16	Dual EIA-232 driver/receiver, I-temp	.75	.65	.55
106163	♦	MAX233CPP	DIP-20	5V, 120kbps, multichannel	5.95	5.49	4.75
106171	♦	MAX233CPG	DIP-24	5V, 120kbps, multichannel	6.95	5.95	4.95
23157	♦	DS1488N*	DIP-14	15V, quad line driver	.45	.39	.35
16379	♦	DS14C89N	DIP-14	5V, quad line receiver	.79	.69	.59
23181	♦	SN75189N*	DIP-14	5V, quad line receiver	.45	.39	.35
25099	♦	MC145406P	DIP-16	5-12V, EIA-232-D/V.28 driver/rcvr	2.49	2.25	1.95

*10 pcs. in Linear series IC cabinet kit, pg 12

RS-422/423/485 Drivers/Receivers

*Web Code: NBT

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
299807	♦	LTC485CN8	DIP-8	RS-485 LP transceiver, 5V	\$2.25	\$1.59	\$1.49
244195	♦	MAX1487CPA	DIP-8	RS-485/422 LP transceiver, 12V	2.49	1.95	1.55
39571	♦	26LS30	DIP-16	RS-422/423 line driver, 5V	2.75	2.49	2.25
50948	♦	SN75174N	DIP-16	RS-422 quad diff. line driver w/ 3 st.	1.29	1.19	1.09
50956	♦	SN75175N	DIP-16	RS-422/423 quad diff. line receiver, 5V	1.75	1.49	1.25
758364	TI	SN75176AP	DIP-8	RS-422 differential bus transceiver	.59	.49	.39
50964	♦	SN75176BN	DIP-8	RS-422 diff. line bus transceiver, 5V	.69	.59	.45

A/D & D/A Converters

*Web Code: QAG

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
277131	MAX	MAX110BCPE	DIP-16	A/D, 14-bit, 5V, 50sps, 2-ch	\$10.95	\$8.95	\$7.95
10145	NSC	ADC0803LCN	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-ch	4.25	3.49	3.25
10153	NSC	ADC0804LCN	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-ch	3.19	2.59	2.19
10170	NSC	ADC0808CCN	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-ch	4.95	4.49	3.75
10188	NSC	ADC0809CCN	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-ch	3.59	2.95	2.59
10225	NSC	ADC0820CCN	DIP-20	A/D, 8-bit, 5V, 1.5µs	3.59	2.95	2.69
116100	NSC	ADC0831CCN	DIP-8	A/D, 8-bit, 5V, 32µs	2.49	2.09	1.75
1252488	NSC	ADC0838CN/NOPB	DIP-20	A/D, 8-bit serial, 5V, 32µs	2.95	2.49	2.25
43756	♦	7107CPL	DIP-40	A/D, 3 1/2-digit LCD/LED, ±5V	2.75	2.49	2.25
115158	ADI	AD558JN	DIP-16	D/A, 8-bit, 5-15V, 1-5-3µs, 1-ch	11.95	10.95	9.95
1944581	SAM	KDA0408	DIP-42	D/A, 8-bit, 5V, 60Msps, triple	.59	.49	.45
14904	NSC	DAC0800LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	1.55	1.25	.95
14947	NSC	DAC0808LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	1.75	1.49	1.19
14963	NSC	DAC0830LCN	DIP-20	D/A, 8-bit, 5-15V, 1µs	4.95	4.25	3.35
1783887	ADI	AD7398BRUZ	TSSOP-16	D/A, 12-bit, quad serial in	8.95	6.95	5.95
290052	TI	TLC7524CN	DIP-16	D/A, 8-bit, 5-15V, 100ns	3.25	2.95	2.45

Comparators

*Web Code: EBS

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
311044	NSC	LM111J-8	DIP-8	Voltage comparator	\$3.95	\$2.95	\$1.95
282087	♦	LM139J	CDIP-14	Low power, low offset volt quad	1.25	1.05	.85
23528	♦	LM311N*	DIP-8	Voltage comparator	.29	.25	.19
143888	♦	LM339AN	DIP-14	Low power quad comparator	.29	.25	.19
23851	♦	LM339N*	DIP-14	Quad comparator	.25	.22	.17
826742	TI	LM339N	DIP-14	Quad differential comparator	.29	.25	.22
120900	♦	LM392N	DIP-8	Low power op amp./volt comp.	1.19	1.09	.95
212177	♦	LM393AN	DIP-8	Low power low offset volt quad comp.	.29	.25	.22
24281	♦	LM393N*	DIP-8	Dual comparator	.25	.22	.17

*10 pcs./**20 pcs. included in Linear kit, pg 12

***Power Management — Enter Web Code PMT**

***DC-to-DC Converters — Enter Web Code DCS**



ANALOG DEVICES

Amplifiers

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
1780862	AD620ANZ	DIP-8	Low cost, LP instrumentation amp	\$6.75	\$5.49	\$4.75



Instrumentation Amplifier

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
825934	INA126PA	DIP-8	µPower instrumentation amp.	\$2.75	\$2.49	\$2.25

Audio Amps

*Web Code: MBP

Part No.	Mfr. Product No.	Pkg./Pins	Description	1	10	100
243678	ADI OP275GP	DIP-8	Dual JFET audio op amplifier	\$2.29	\$2.09	\$1.95
24037	NSC LM380N	DIP-14	2-watt, power amplifier	1.39	1.15	.89
24088	NSC LM383T	TO-220/5	7-watt, high power	5.95	5.49	4.95
24096	NSC LM384N	DIP-14	5-watt audio amplifier	1.69	1.39	1.15
193623	NSC LM386M-1	SOIC-8	Low volt audio power amp.	.69	.59	.49
24125	NSC LM386N-1*	DIP-8	Low voltage, 250mW/6V	.89	.75	.59
24126	NSC LM386N-1	DIP-8	Low voltage, 250mW/6V	.95	.79	.59
24133	NSC LM386N-3*	DIP-8	Low voltage, 500mW/9V	.79	.65	.55
24942	ON MC1350P	DIP-8	Video IF amp. (12V operation)	2.95	2.75	2.49
23270	NSC LM1875T	TO-220/5	20-watt audio power amp.	3.15	2.95	2.75
835753	NSC LM1875T/LB03	TO-220/5	20W audio pwr amp. (staggered leads)	3.25	2.95	2.75
23288	NSC LM1877N-9	DIP-14	Dual power audio amplifier	2.95	2.49	2.25
107140	NSC LM1881N	DIP-8	Video synchronous separator	2.59	2.09	1.75
32897	ST TDA2002V	TO-220/5	8-watt audio high power amp.	4.95	4.49	3.95
315344	ST TDA2040V	PWAT-5	20-watt hi-fi power	2.39	2.25	2.09
275830	TI OPA2134PA	DIP-8	High performance audio op amp.	2.95	2.49	2.25
320670	NSC LM3886TF	TO-220/11	68-watt high-perf., isol. pkg.	6.25	5.25	4.75
192516	NSC LM3886T	TO-220/11	68-watt high-performance	6.25	5.25	4.75
302201	NSC LM4752T*	TO-220/7	Stereo 11-watt audio power amp.	4.95	4.49	3.95
316873	MOT MC34119D	SOIC-8	LP audio amp. (500mW, 16VDC)	1.19	1.09	.89
316865	MOT MC34119P	DIP-8	LP audio amp. (500mW, 16VDC)	2.49	2.25	1.95

*10 pieces included in Linear kit, pg 12 * Pull = Extra Savings

Op Amps

*Web Code: WAD

Part No.	Mfr. Product No.	Pkg.	Description	1	10	100
27852	♦ OP07CP	DIP-8	Ultra-low offset voltage	\$.89	\$.79	\$.69
120715	♦ LM10CN	DIP-8	Op amp and voltage reference	2.49	2.25	1.95
275784	TI OPA27GU	SOIC-8	Ultra-low noise precision	1.49	1.25	.95
115300	♦ OP27EP	DIP-8	Low noise precision op amp.	4.49	3.75	3.25
115318	♦ OP27GP	DIP-8	Low noise precision (-40° to 80°C)	2.49	1.95	1.59
33161	♦ TL062CP	DIP-8	Low power JFET op amp.	.59	.49	.45
33187	♦ TL071CP	DIP-8	Low noise JFET op amp.	.29	.25	.22
213073	♦ TL072ACP	DIP-8	Low noise JFET input op amp.	.59	.49	.45
33195	♦ TL072CP*	DIP-8	Low noise JFET dual op amp.	.25	.22	.19
33216	♦ TL074CN*	DIP-14	Low noise JFET quad op amp.	.45	.39	.35
213057	♦ TL081ACP	DIP-8	JFET input, low offset w/ control	.69	.59	.49
33232	♦ TL081CP	DIP-8	JFET input, offset control	.39	.35	.29
2002077	ST TL082CN	DIP-8	JFET input dual op amplifier	.59	.49	.39
33241	♦ TL082CP*	DIP-8	JFET input dual op amplifier	.39	.35	.29
214084	♦ TL084ACN	DIP-14	JFET input op amplifier	.49	.45	.39
33267	♦ TL084CN*	DIP-14	JFET input quad op amplifier	.39	.35	.29
143917	TI TLC272CP	DIP-8	LinCMOS precision dual op amp.	.69	.59	.49
212151	♦ LM301AN*	DIP-8	Operational amplifier	.45	.39	.35
245673	♦ LM308AH	TO-5/8	Precision op amplifier	4.95	4.49	3.95
23464	♦ LM308N*	DIP-8	Precision op amplifier	6.95	6.25	5.49
23608	NSC LM318N	DIP-8	Precision high speed	.89	.79	.69
212169	♦ LM324AN	DIP-14	Low power quad op amplifier	.35	.29	.25
23683	♦ LM324N**	DIP-14	Low power quad op amplifier	.29	.25	.22

*10 pcs./** 20 pcs. included in Linear cabinet kit, pg 12

Op Amps (Continued)

*Web Code: WAD

Part No.	Mfr. Product No.	Pkg./Pins	Description	1	10	100
826671	TI LM324NE4	DIP-14	Quad op amplifier	\$.35	\$.29	\$.25
973110	FSC LM324N	DIP-14	Quad op amplifier, supply volt. ±16V	.35	.29	.25
22904	♦ LF347N	DIP-14	Quad JFET input (wide band)	.55	.45	.39
23915	♦ LM348N	DIP-14	Quad 741 op amp (UPC4741C)	.35	.29	.25
22912	♦ LF351N	DIP-8	BIFET op amplifier	.45	.39	.35
22939	♦ LF353N*	DIP-8	Dual BIFET (comp w/ TL082CP)	.39	.35	.29
22971	NSC LF356N*	DIP-8	JFET input (wide band)	.99	.85	.65
22998	♦ LF357N	DIP-8	JFET input (wide band)	2.95	2.75	2.49
120862	♦ LM358AN	DIP-8	Low power dual (improved 358N)	.25	.22	.19
23966	♦ LM358N*	DIP-8	Low power dual op amplifier	.29	.25	.22
23018	♦ LF411CN*	DIP-8	Low offset drift JFET input	1.25	1.09	.89
23026	♦ LF412CN*	DIP-8	Low offset drift JFET input dual	1.29	1.19	.95
106681	♦ LF442CN	DIP-8	Dual low power JFET input	1.29	1.09	.89
119992	♦ LF444CN	DIP-14	Quad low power JFET input	1.65	1.39	1.25
143976	♦ LM660CN	DIP-14	CMOS quad operational amplifier	1.75	1.45	1.25
120926	♦ LM675T	TO-220/5	Power op amplifier	4.75	4.25	3.49
24491	♦ LM733CN	DIP-14	Differential amplifier	1.09	.95	.75
24521	♦ LM741CH	TO-5/8	Op amplifier	5.49	4.95	4.49
24539	♦ LM741CN**	DIP-8	Op amplifier	.29	.25	.22
24540	♦ LM741CN*	DIP-8	Op amplifier	.29	.25	.22
830522	TI UA741CP	DIP-8	General purpose op amplifier	.39	.35	.29
840763	NSC LM741CN/NOBP	DIP-8	General purpose op amplifier	.79	.59	.45
24563	♦ LM747CN	DIP-14	Dual 741 op amplifier	.79	.69	.59
239222	♦ LTC1001CN8	DIP-8	Precision op amplifier	1.49	1.25	.95
239169	♦ LT1013CP	DIP-8	Dual precision op amplifier	1.75	1.49	1.25
239177	♦ LT1014DN	DIP-14	Quad precision op amplifier	3.95	3.75	2.95
1745688	LTC LTC1050CN8	DIP-8	Precision zero-drift op amp w/ internal cap	4.19	3.95	3.75
23131	♦ LM1458N*	DIP-8	Dual op amplifier	.35	.29	.25
903509	TI MC1458P	DIP-8	Dual general purpose op amplifier	.35	.25	.22
1085819	TI TLC2272CP	DIP-8	Advanced LinCMOS® rail-to-rail	1.75	1.49	1.25
1944839	♦ TLV2772CP	DIP-8	Hi slew rate r-r output, w/ shutdown	..99	.89	.79
12116	♦ CA3080E	DIP-8	Op transconductance amplifier	3.95	3.75	3.49
12183	♦ CA3130E	DIP-8	CMOS op amplifier	1.49	1.25	1.05
12204	♦ CA3140E	DIP-8	Bi-MOS op amplifier	1.29	1.19	1.09
24168	♦ LM3900N	DIP-14	Quad amplifier	.49	.45	.35
251125	♦ MC4558CN	DIP-8	Wide bandwidth dual bipolar	.35	.29	.25
27385	♦ NE5532*	DIP-8	Dual low noise op amplifier	.49	.45	.39
252970	♦ NE5532AP	DIP-8	Dual lower noise op amplifier	.65	.55	.45
27406	♦ NE5534	DIP-8	Low noise op amplifier	.79	.69	.59
302076	NSC LM6134BIN	DIP-14	Quad LP r-r in/out, 10MHz	3.75	3.25	2.75
302068	NSC LM6142AIM	SOIC-8	Dual r-r in/out, 17MHz	1.49	1.25	1.09
301874	NSC LM6181IN	DIP-8	100mA, 100MHz current feedback	2.75	2.35	2.05
301356	NSC LMC6484AIN	DIP-14	CMOS quad r-r I/O, lower VOS	3.49	2.95	2.59
192532	NSC LM13700N	DIP-16	Dual op transcon. w/ diodes/buffer	1.85	1.49	1.35
192533	NSC LM13700N/NOBP	DIP-16	Dual op transcon. w/ diodes/buffer	1.89	1.55	1.39
871586	ON MC33204P	DIP-14	Low voltage, rail-to-rail	.89	.69	.49
251061	ON MC34072P	DIP-8	Single supply 3V-44V op amplifier	.99	.79	.59

*10 pcs./** 20 pcs. included in Linear cabinet kit, pg 12

Digital Potentiometers

*Web Code: JBP

Part No.	Mfr. Product No.	Pkg.	Description	1	10	100
1778367	ADI AD5282BRU200	TSSOP-16	Dual, 256 position	\$1.49	\$1.25	\$1.09
241744	MCH MCP41010-I/P	DIP-8	10kΩ, 256 steps, SPI	1.49	1.25	.99
241752	MCH MCP42010-I/P	DIP-14	10kΩ, 256 steps, 2-ch SPI	1.95	1.75	1.49

*Real Time Clocks — Enter Web Code RTC

*Supervisory Chips — Enter Web Code SCT

*Analog Switches — Enter Web Code YBN

*ADI = Analog Devices | FSC = Fairchild | MCH = Microchip | MOT = Motorola | LTC = Linear Technology | NSC = National | ON = ON Semi | ST = ST Micro | TI = Texas Ins. | ♦ Major Brands

*For additional products, availability, and additional specifications visit [Jameco.com](http://www.Jameco.com) and enter the web code in the product search box

Linear Series, Sensors & Voltage Regulators

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACILITY OVERRUN

Linear Series

* Web Code: FAD

Part No.	Mfr.	Product No.	Pkg./Pins	Description	* Order in multiples of 10		
					1	10	100
25751	♦	MF10CCN	DIP-20	Gen. purpose dual active filter	\$4.49	\$3.59	\$2.95
16301	♦	DS0026CN	DIP-8	Dual MOS clk. driver (5MHz)	4.95	3.95	2.95
239281	♦	DG201BDJ	DIP-16	Quad analog switch	1.15	1.05	.95
1341966	TI	L293DNE	DIP-16	Quad half-H drivers, I-temp	2.95	2.49	1.95
1342011	TI	L293NE	DIP-16	Quad half-H drivers, C-temp	2.39	2.15	1.59
23721	♦	LM331N	DIP-8	Prec volt to freq convtr (150ppm/°C)	2.39	1.95	1.75
23739	NSC	LM334Z	TO-92/3	Adjust current source .....	.79	.65	.49
23771	NSC	LM336Z-2.5	TO-92/3	Voltage reference (2.5V) .....	.39	.35	.29
24117	♦	LM385Z-1.2	TO-92/3	Microprv volt. ref. diode (1.2V) .....	.49	.39	.29
23000	♦	LF398N	DIP-8	Sample and hold circuit	1.39	1.15	.95
309833	♦	DG403DJ	DIP-16	Dual SPDT & SPDT analog switch	2.75	2.49	2.25
33347	♦	TL431CLP	TO-92/3	Program precision reference	*	.15	.12
33355	♦	TL494CN	DIP-16	Contrl circuit pulse-width-modulated ...	.45	.39	.35
86799	♦	LM555CM	SOIC-8	Timer .....	.39	.35	.29
27422	♦	LM555CN*	DIP-8	Timer (MC1455P/NE555V) .....	.25	.22	.17
27423	♦	LM555CN	DIP-8	Timer (MC1455P/NE555V) .....	.29	.25	.19
973646	FSC	LM555CN	DIP-8	Timer .....	.29	.25	.19
126797	♦	LM555CN*	DIP-8	CMOS timer .....	.69	.59	.45
841571	NSC	LM555CN/NOPB	DIP-8	CMOS timer	1.49	1.25	.95
890091	ST	NE555N	DIP-8	Gen. purp. single bipolar timer .....	.29	.25	.22
904085	TI	NE555P	DIP-8	Precision timer .....	.39	.35	.25
761272	TI	TLC555CP	DIP-8	LinCMOS™ timer, C-temp .....	.65	.55	.49
24328	♦	LM556N*	DIP-14	Dual 555 timer .....	.29	.25	.22
24329	♦	LM556N	DIP-14	Dual 555 timer .....	.39	.35	.29
904114	TI	NE556N	DIP-14	Dual precision timer .....	.35	.29	.25
27473	ST	NE564N	DIP-16	High freq. phase locked loop	2.75	2.49	2.25
24352	♦	LM565N	DIP-14	Phased locked loop	2.95	2.75	2.49
24395	♦	LM567CN	DIP-8	Tone decoder	1.39	1.09	.95
27490	ST	NE571N	DIP-16	Compander, subscriber	4.49	4.25	3.95
115174	ADI	AD620AN	DIP-8	Low-cost instrument amp.	6.49	5.25	4.49
115182	ADI	AD633JN	DIP-8	Low-cost analog multiplier	6.95	6.25	5.75
23211	♦	MC1496P	DIP-14	Balanced mod/demodulator .....	.69	.59	.49
1944821	♦	P1803AC	TO-220	Balanced three-chip sidactor	*	.09	.07
34278	♦	ULN2003A*	DIP-16	Hi-volt/curr. darl. transistor array .....	.35	.29	.25
1147178	TI	ULN2003AN	DIP-16	Hi-volt/curr. darl. transistor array .....	.49	.45	.35
193826	♦	ULN2003AD	SOIC-16	Hi-volt/curr. darl. transistor array ....	.49	.39	.35
34294	♦	ULN2004AN	DIP-16	Hi-volt/curr. darl. transistor array ....	.39	.35	.29
34972	EXR	XR2206CP	DIP-16	Monolithic function generator	7.95	7.25	6.75
34999	♦	XR2211	DIP-14	FSK demodulator/tone decoder	1.95	1.75	1.49
280073	TI	TLE2426CLP	TO-92/3	Rail splitter prec. virtual ground	1.49	1.39	1.29
2125798	AST	AS2431	TO-92/3	Companion adjustable shunt	*	.19	.15
34315	♦	ULN2803A*	DIP-18	Hi-volt/curr. darl. transistor array ....	.59	.55	.49
34316	♦	ULN2803A	DIP-18	Hi-volt/curr. darl. transistor array ....	.65	.59	.55
700664	TI	ULN2803AN	DIP-18	Darlington transistor array, I-temp ...	.79	.65	.55
123625	NSC	LM2907N-8	DIP-8	Frequency to volt converter	1.75	1.39	1.19
23317	NSC	LM2907N	DIP-14	Frequency to volt converter	1.75	1.49	1.35
23350	NSC	LM2917N-8	DIP-8	Freq. to volt conv. w/ zener	1.75	1.59	1.35
23341	NSC	LM2917N-14	DIP-14	Freq. to volt conv. w/ zener	1.75	1.59	1.39
12079	♦	CA3046N	DIP-14	NPN transistor array	1.49	1.39	1.25
12159	♦	CA3086N	DIP-14	NPN transistor array	1.95	1.75	1.49
31974	♦	SG3524N	DIP-16	Regulating pulse width modulator ...	.69	.59	.49
51140	♦	7555IPA	DIP-8	CMOS timer .....	.45	.39	.35
51174	♦	7660CPA	DIP-8	CMOS volt converter (+5 to ±5V) .....	.75	.65	.55
316646	♦	ICL7662CPA	DIP-8	Volt convtr., 20Vin, 4.5-20V out ...	2.49	1.75	1.49
25021	ON	MC14411P	DIP-24	Bit rate frequency generator	6.95	6.25	5.49
25064	ON	MC14490P	DIP-16	Hex contact bounce eliminator	4.25	3.95	3.49
118586	ON	MC145151P	DIP-28	Parallel input PLL freq synthesizer ...	5.95	5.49	4.95
1054684	TI	SN75441ONE	DIP-16	Quad half-H drivers	1.95	1.75	1.55

*10 pcs./**20 pcs. included in Linear cabinet kit, above right

* MUX/DEMUXs — Enter Web Code RAB

* ADI = Analog Devices | AST = Astec | DAL = Dallas | EXR = EXAR | FSC = Fairchild Semi | MCH = Microchip | NSC = National Semi | ON = ON Semi | ST = ST Micro | TI = Texas Ins. | ♦ Major Brands

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Linear IC Kit

* Web Code: CKS

10 each: TL072CP, TL074CN, TL082CP, TL084CN, MAX232CPE, LM301N, LM308N, LM311N, LM337T, LF353N, LF356N, LM358N, LM386N-1, LM386N-3, LM393N, LF411CN, LF412CN, LMC555CN, LM556N, LM723CN, LM1458N, DS1488N, DS1489N, ULN2003A, ULN2803A, NE5532N, 7808T, 78L12, 7815T, 7905T, 7912CT, 7915CT

20 each: LM317T, LM324N, LM339N, LM741CN, LM555CN, 7805T, 78L05, 7812T

Part No.	Description	Wt. (lbs.)	1	5
84988	480 pcs. (40 types) analog IC kit	6.0	\$199.95	\$179.95
130411	Refill for 84988 (480 pcs.)	1.3	184.95	169.95

* Voltage References — Enter Web Code TBD

Temperature Sensors

* Web Code: WAN

Part No.	Mfr.	Product No.	Pkg/Pins	Description	1	10	100
107094	NSC	LM34CZ	TO-92/3	Prec temp sensor (-40° to +230°F)	\$5.95	\$5.25	\$4.75
155192	NSC	LM34DZ	TO-92/3	Prec temp sensor (+32° to +212°F)	2.15	1.85	1.65
1467905	NSC	LM34DZ/NOPB	TO-92/3	Prec temp sensor (+32° to +212°F)	2.25	1.95	1.75
107107	NSC	LM35CZ	TO-92/3	Prec temp sensor (-40° to 110°C)	4.49	3.75	3.45
2162610	MCH	TC77-3.3MCTTR	SOT23/5	High accuracy (-55° to 125°C) .....	.89	.79	.69
192217	NSC	LM35DT	TO-220/3	Prec temp sensor (-55° to 150°C)	2.49	1.95	1.55
155740	NSC	LM35DZ	TO-92/3	Prec temp sensor (0° to +100°C) ...	1.59	1.25	.95
278387	ADI	TMP36GT9	TO-92	Low voltage temp. sensor	1.29	1.09	.95
120820	♦	LM335AZ	TO-92/3	Precision temperature sensor .....	.99	.89	.79
23755	♦	LM335Z	TO-92/3	Volt mode temperature sensor .....	.75	.65	.55
1268893	NSC	LM335Z/NOPB	TO-92/3	Precision temperature sensor .....	.79	.69	.59
241939	ADI	AD590JH	TO-52/3	Two terminal IC temp transducer ..	7.95	6.95	5.95
313306	ADI	AD594AQ	DIP-14	Thermocouple amp for iron-constantan	13.95	13.49	13.25
313293	ADI	AD595AQ	DIP-14	Thermocouple amp for chromel-alumel	14.95	13.95	12.95
302551	DAL	DS18S20	TO-92/3	High-prec. 1-wire digital thermo ...	3.95	3.25	2.25



Hall Effect Sensors

* Web Code: REB

Part No.	Mfr.	Part No.	Pkg.	Description	1	10	100
1718743	ADI	A1302EUA-T	SIP-3	4.5V to 6V, 11mA, 1.3mV/G sensitivity ..	\$1.95	\$1.75	\$1.49
2135881	ADI	A1302KUA-T	SIP-3	4.5V to 6V, 11mA, 1.3mV/G sensitivity ..	1.95	1.75	1.49
1718701	ADI	A1104LUA-T	SIP-3	3.8V to 24V, 7.5mA, Brp=25G. Bop=450G	1.49	1.25	1.09
1871879	OH180U		SIP-3	Mono IC w/ hall linear amp & sensor ...	2.95	2.75	2.49

Voltage Regulators

* Web Code: TAC

Part No.	Mfr.	Product No.	Pkg./Pins	Description	1	10	100
23499	♦	LM309K	TO-3/2	5V, 1A (0°C to +125°C)	\$5.95	\$5.49	\$4.95
192268	NSC	LM317AT	TO-220/3	3-terminal adj. (1.2V-37V)	1.65	1.35	.95
837898	NSC	LM317AT/NOPB	TO-220/3	3-term. 1.5A output adj pos, I-temp 1.69	1.99	1.39	1.15
192276	NSC	LM317HVT	TO-220/3	3-terminal adj. (1.2V-57V)	2.25	1.95	1.65
23544	♦	LM317K	TO-3/2	1.5A adj. positive (1.2V-37V) ..	2.75	2.49	2.25
23552	♦	LM317LZ	TO-92/3	100mA adj. positive (1.2V-37V) ..	.29	.25	.22
23579	♦	LM317T*	TO-220/3	1.5A adj. positive (1.2V-37V) .....	.35	.29	.25
23580	♦	LM317T	TO-220/3	1.5A adj. positive (1.2V-37V) .....	.49	.45	.39
23667	♦	LM323K	TO-3/2	5V, 3A positive	4.75	4.25	3.59
296841	♦	LM337LZ	TO-92/3	3-terminal adjustable negative ..	.69	.59	.39
23819	♦	LM337T*	TO-220/3	1.5A/adj. neg. (-1.2V-37V) .....	.49	.45	.39
23835	♦	LM338K	TO-3/2	5A adj. positive (1.2V-32V)	6.95	6.25	5.75
192284	NSC	LM338T	TO-220/3	5A adjustable	1.95	1.65	1.35
838621	NSC	LM338T/NOPB	TO-220/3	5A adjustable positive	2.25	1.75	1.45
900017	NSC	LM340T-5.0	TO-220/3	5V, 1A positive, I-temp	1.29	1.09	.95
23931	♦	LM350K	TO-3/2	3A/3 term. adj. pos. (1.2V-33V) ..	6.25	5.75	5.25
23940	♦	LM350T	TO-220/3	3A adjustable power .....	.59	.49	.45
24467	♦	LM723CN*	DIP-14	Voltage regulator (2V-37V) .....	.39	.35	.29
301719	♦	LM723H	TO-5/10	2V - 37V, 150mA adj.	4.95	4.49	3.95
107166	NSC	LM2936Z-5.0	TO-92/3	Ultra-low quiescent current 5V	1.95	1.75	1.49
51246	♦	7805K	TO-3/2	5V, 1A positive (LM340K-5)	2.49	2.25	1.95
51262	♦	7805T*	TO-220/3	5V, 1A positive (LM340T-5) .....	.29	.25	.22
51263	♦	7805T	TO-220/3	5V, 1A positive (LM340T-5) .....	.35	.29	.25
924570	ST	L7805ACV	TO-220/3	5V, 1.5A positive .....	.39	.35	.29

*10 pcs./**20 pcs. included in Linear kit, above



Voltage Regulators (Continued)

★ Web Code: TAC

				* Order in multiples of 10		
Part No.	*Mfr.	Product No.	Pkg./Pins Description	1	10	100
924633	ST	L7805CV	TO-220/3 5V, 1.5A positive	.45	.35	.29
786138	FSC	LM7805CT	TO-220/3 5V, 1A positive, I-temp	.45	.39	.35
902071	NSC	LM7805CT	TO-220/3 5V, 1A positive	1.25	1.15	.95
876125	ON	MC7805BTG	TO-220/3 5V, 1A positive, I-temp	.45	.35	.29
876221	ON	MC7805CT	TO-220/3 5V, 1A positive, C-temp	.29	.25	.22
51182	+	78L05**	TO-92/3 5V, 100mA positive	.25	.22	.17
51183	+	78L05	TO-92/3 5V, 100mA positive	.29	.25	.19
973831	FSC	LM78L05ACZ	TO-92/3 5V, 100mA positive, I-temp	.29	.25	.19
192233	+	78M05	TO-220/3 5V, 500mA positive	.29	.25	.22
51297	+	7806T	TO-220/3 6V, 1A positive (LM340T-6)	.35	.29	.25
51300	+	7808T*	TO-220/3 8V, 1A positive (LM340T-8)	.35	.29	.25
876352	ON	MC7809CT	TO-220/3 9V, 2.2A positive, C-temp	.39	.35	.29
1958641	FSC	LM7809CT	TO-220/3 9V, 2.2A positive	.59	.49	.39
192225	+	78L09ACZ	TO-92/3 9V, 100mA positive	.25	.22	.17
51318	+	7812K	TO-3/2 12V, 1A pos. (LM340K-12)	2.75	2.49	2.25
51334	+	7812T**	TO-220/3 12V, 1A pos. (LM340T-12)	.29	.25	.22
51335	+	7812T	TO-220/3 12V, 1A pos. (LM340T-12)	.35	.29	.25
889305	ST	L7812CV	TO-220/3 12V, 1.5A positive	.39	.35	.29
51203	+	78L12*	TO-92/3 12V, 100mA positive	.25	.22	.17
51377	+	7815T*	TO-220/3 15V, 1A positive (LM340T-15)	.35	.29	.25
51414	+	7824T	TO-220/3 24V, 1A positive (LM340T-24)	.35	.29	.25
51457	+	7905T*	TO-220/3 -5V, 1A neg. (LM320T-5)	.35	.29	.25
51422	+	79L05	TO-92/3 -5V, 100mA negative	.29	.25	.22
2132269	+	7906A	TO-220/3 -6V, 500mA negative	*.19	.15	
51481	+	7912T*	TO-220/3 -12V, 1A neg. (LM320T-12)	.35	.29	.25
51502	+	7915T*	TO-220/3 -15V, 1A neg. (LM320T-15)	.39	.35	.29
316945	MOT	MC34063AP1	DIP-8 1.5 step-up/down invert sw reg	.59	.49	.39

*10 pcs./ **20 pcs. included in Linear kit, pg 12

Low Drop-Out Voltage Regulators

★ Web Code: MBT

Part No.	*Mfr.	Product No.	Pkg./Pins Description	1	10	100
299743	NSC	LM1084IT-ADJ	TO-220/3 5A low dropout adj. pos.	\$2.75	\$2.45	\$2.15
299735	NSC	LM1084IT-3.3	TO-220/3 5A low dropout 3.3V pos.	2.75	2.45	2.15
282757	+	LT1085CT	TO-220/3 3A low dropout pos. adj. reg.	1.75	1.49	1.25
192305	+	LM1086CT-3.3	TO-220/3 1.5A low dropout pos. (3.3V)	1.09	.99	.89
192313	+	LM1086CT-5.0	TO-220/3 1.5A low dropout pos. (5V)	1.49	1.25	1.09
251782	NSC	LM1117MPX-ADJ	SOT-223/3 800mA low dropout linear	.89	.69	.59
242114	+	LM1117T-3.3	TO-220/3 800mA, 3.3V, LDO	.89	.79	.69
242115	NSC	LM1117T-3.3/NOPB	TO-220/3 800mA, 3.3V, LDO	1.25	1.09	.95
2126230	TI	UC2833DW	SOIC-16 2V, 1A prec. LDO reg./controller	2.95	2.49	1.95
897188	NSC	LM2937ET-3.3	TO-220/3 500mA, 3.3V LDO, I-temp	1.55	1.29	1.15
297810	NSC	LM2937ET-5.0	TO-220/3 500mA, 5V LDO	1.55	1.29	1.15
107182	+	LM2940CT-5	TO-220/3 5V LDO reg. (max. 45Vin)	1.45	1.19	.89
192495	NSC	LM2940CT-12	TO-220/3 12V LDO reg. (max. 45Vin)	1.49	1.25	1.09
837505	NSC	LM2940T-5.0/NOPB	TO-220/3 1A, 5V LDO, I-temp	1.39	1.19	1.05
121064	+	LM2941CT	TO-220/5 1A LDO adjustable (45Vin)	1.49	1.29	1.09
1944880	+	LP2950ACN	TO-92/3 100mA 5V LDO reg.	.69	.59	.49
1323397	NSC	LP2950ACZ-3.3/NOPB	TO-92 3.3V upwr volt. reg., I-temp	.89	.79	.69
266757	+	LP2950CZ-5.0	TO-92/3 100mA low power LDO	.69	.59	.49
121110	+	LP2951ACP	DIP-8 Adjustable μ power volt-reg.	.59	.49	.39
2135671	+	AS2954-5.0	TO-92/3 5.0V, 250mA LDO	.29	.25	.19
192524	+	LM3940IT-3.3	TO-220/3 1A LDO for 5V to 3.3V	1.65	1.45	1.25

★ Power Drivers and Modules — Enter Web Code REK

★ Switching Regulators — Enter Web Code DEN

* FSC = Fairchild | JVP = Jameco ValuePro | MOT = Motorola | NSC = National | ON = ON Semi | ST = ST Micro | TI = Texas Ins. | ♦ Major Brands

* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

Simple Switcher Voltage Regulators

★ Web Code: VAX

Part No.	*Mfr.	Product No.	Pkg./Pins Description	1	10
156566	+	LM2574N-5	DIP-8 5V step-down regulator	\$1.49	\$1.25
192381	NSC	LM2576HVT-5.0	TO-220/5 3A step down V-reg, high Vin range	4.95	4.25
192372	NSC	LM2576HVT-ADJ	TO-220/5 3A step-down V-reg, high Vin range	3.95	3.49
245569	+	LM2576T-5.0	TO-220/5 3A step-down voltage regulator	2.49	2.25
120977	+	LM2576T-ADJ	TO-220/5 3A step-down voltage regulator	1.95	1.75
300265	NSC	LM2595S-ADJ	TO-263/5 1A step down voltage regulator	1.25	.95

PLCC Thru-Hole Sockets

★ Web Code: YAH

- Solder tail allows through-hole board patterns in .100" grid
- Thru-hole lead length: .125"
- Accepts JEDEC type "A" plastic leaded chip (0.05" centers)

71969

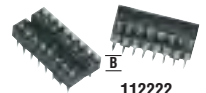


Part No.	Cross Ref. No.	Pins	Body Height (in.)	1	10	100
71811	G1P32	32	.375	\$.39	\$.29	\$.19
71618	G1P444	44	.375	.75	.65	.59
72442	G1P452	52	.375	.85	.75	.69
71969	G1P468	68	.375	.89	.79	.75
71977	G1P484	84	.375	.95	.85	.79

Single/Dual Wipe Solder Tail Low-Profile IC Sockets

- Contact current: 1A
- Contact resistance: less than 5m Ω
- Dielectric withstanding voltage: 300V
- Insulation resistance: greater than 1000M Ω
- Thru-hole lead length: .140" (A)
- Body height: .188" (B)

JAMECO ValuePro



112222

★ Web Code: WAP

Order in multiples of 10

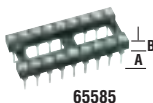
Part No.	*Mfr.	Product No.	Pins	Width (in.)	10	100	1000
112193	JVP	6LPD	6	0.3	\$.14	\$.11	\$.10
51571	JVP	8LPD	8	0.3	.13	.10	.08
112206	JVP	8LPD	8	0.3	.14	.11	.09
37162	JVP	14LP (single wipe)	14	0.3	.13	.10	.09
112214	JVP	14LPD	14	0.3	.14	.11	.10
37372	JVP	16LP (single wipe)	16	0.3	.12	.10	.08
37373	JVP	16LPD	16	0.3	.18	.12	.10
112223	JVP	16LPD	16	0.3	.20	.13	.11
38113	JVP	18LP (single wipe)	18	0.3	.14	.12	.09
689952	+	ED18DT	18	0.3	.16	.15	.11
112231	JVP	18LPD	18	0.3	.17	.16	.12
38607	JVP	20LP (single wipe)	20	0.3	.14	.12	.10
112248	JVP	20LPD	20	0.3	.17	.16	.14
38608	JVP	20SLPD	20	0.3	.18	.17	.15
112256	JVP	22SLPD	22	0.3	.07	.05	.03
39132	JVP	22LPD	22	0.4	.17	.16	.14
39378	JVP	24SLPD	24	0.3	.25	.23	.20
112282	JVP	24SLPD	24	0.3	.27	.25	.22
112264	JVP	24LPD	24	0.6	.24	.22	.18
112266	JVP	24LPD	24	0.6	.26	.22	.20
112299	JVP	28SLPD	28	0.3	.25	.23	.21
112300	JVP	28SLPD	28	0.3	.26	.24	.22
112272	JVP	28LPD	28	0.6	.25	.23	.20
40301	JVP	28LPD	28	0.6	.26	.24	.21
137621	JVP	32SLPD	32	0.3	.15	.12	.09
689979	+	ED32DT	32	0.6	.21	.19	.17
112301	JVP	32LPD	32	0.6	.29	.25	.22
41110	JVP	40LP (single wipe)	40	0.6	.29	.25	.22
41111	JVP	40LPD	40	0.6	.33	.30	.26
112311	JVP	40LPD	40	0.6	.40	.36	.30
137622	JVP	42LPD	42	0.6	.15	.12	.09
112326	JVP	64LDP	64	0.9	.15	.12	.09



Machine Tooled Solder Tail Low-Profile IC Sockets

- Contact plating: gold
- Contact current: 1A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300V_{RMS}
- Insulation resistance: greater than 1000MΩ
- Material: beryllium copper or phosphor bronze
- Tin-plated leads
- Thru-hole lead length: .177" (A) • Body height: .117" (B)

JAMECO ValuePro



★ Web Code: GBA

Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100
167004	6MLP	6	0.3	\$.39	\$.29	\$.19
51626	8MLP	8	0.3	.49	.45	.29
37197	14MLP	14	0.3	.65	.55	.39
37402	16MLP	16	0.3	.75	.59	.45
65585	18MLP	18	0.3	.89	.75	.55
38623	20MLP	20	0.3	.85	.69	.49
192209	22SMLP	22	0.4	.89	.79	.69
39386	24SMLP	24	0.3	.95	.79	.59
39387	24SMLP	24	0.3	.99	.85	.65
39351	24MLP	24	0.6	1.09	.89	.65
114412	28SMLP	28	0.3	1.09	.89	.65
40328	28MLP	28	0.6	1.19	.95	.69
40329	28MLP	28	0.6	1.25	.99	.75
105381	32MLP	32	0.6	1.35	1.09	.89
41136	40MLP	40	0.6	1.69	1.39	.95
42059	48MLP	48	0.6	1.69	1.39	.95

AMP DIP Low-Profile IC Sockets

★ Web Code: QAF

Economy Ladder Style

- Dual wipe
- Housing: glass filled thermoplastic, black
- Contacts: phosphor bronze tin plating



Part No.	Mfr. Part No.	Pos.	Plating	Width (in.)	10	100	500
683091	1-390261-1	6	60μ" tin	0.3	\$.13	\$.10	\$.09
526299	390261-2	8	60μ" tin	0.3	.12	.09	.07
683104	1-390261-2	8	60μ" tin	0.3	.13	.10	.08
526192	390261-3	14	60μ" tin	0.3	.12	.09	.08
683112	1-390261-3	14	60μ" tin	0.3	.13	.10	.09
526205	390261-4	16	60μ" tin	0.3	.17	.11	.09
683121	1-390261-4	16	60μ" tin	0.3	.19	.12	.10
526213	390261-5	18	60μ" tin	0.3	.15	.14	.10
683139	1-390261-5	18	60μ" tin	0.3	.16	.15	.11
526221	390261-6	20	60μ" tin	0.3	.16	.15	.13
683163	1-390261-8	24	60μ" tin	0.3	.26	.24	.21
683198	1-390262-1	24	60μ" tin	0.6	.25	.21	.19
526248	390261-9	28	60μ" tin	0.3	.24	.22	.20
683171	1-390261-9	28	60μ" tin	0.3	.25	.23	.21
526256	390262-2	28	60μ" tin	0.6	.24	.22	.19
526272	390262-5	40	60μ" tin	0.6	.32	.29	.25
683227	1-390262-5	40	60μ" tin	0.6	.39	.35	.29



Wire Wrap IC Socket I.D. Markers

★ Web Code: YAG

- Material: plastic
- Can easily write location, part number or function
- Quick identification of pin numbers
- Slips onto socket before wrapping

37145



Part No.	Mfr.	Product No.	Pins	Width (in.)	1	10	100
37145	JVP	ID-14-100	14	0.3	\$.69	\$.59	\$.45
38586	JDV	ID-20-50	20	0.3	.95	.75	.49
40299	JDV	ID-28-50	28	0.6	.89	.79	.69

★ Transistors — Enter Web Code FEN

* CA = Circuit Assembly | JDV = JDV Products Inc. | JVP = Jameco ValuePro | ♦ Major Brands

.100" Single-In-Line Machine Tooled Strip Sockets

- Solder tail or wire wrap

JAMECO ValuePro

★ Web Code: KAM

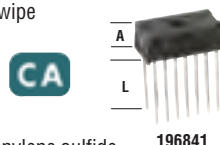


Part No.	Description	Pins	Lead Length (in.)	1	10	100
164822	Straight single row	4	.160	\$.75	\$.65	\$.59
138684	Straight single row	5	.160	.75	.65	.59
2100339	Straight single row	7	.160	.75	.65	.59
102201	Straight single row	10	.160	1.19	.95	.75
2125675	Straight single row	14	.160	1.09	.79	.49
78642	Straight single row	30	.160	1.49	1.29	.95
175920	Straight single row	36	.160	1.75	1.59	1.29
101283	WW2 single row	20	.435 (2)	2.49	2.25	1.95
104054	WW3 single row	30	.575 (3)	2.95	2.59	2.39

2 & 3 Level Wire Wrap IC Sockets

★ Web Code: SAF

- Contact plating/leads: gold (WW) or tin (TWW); dual wipe
- Contact current: 1A • Contact resistance: <5mΩ
- Sleeve material: brass
- Dielectric withstanding volt.: 300V
- Material: beryllium copper or phosphor bronze
- Insulation resistance: greater than 1000MΩ
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Thru-hole lead length: .438" (L2); .638" (L3) • Body height: .300" (A)

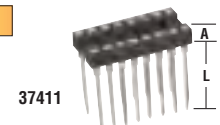


Part No.	Mfr.	Product No.	Pins	Width (in.)	1	10	100
196841	JVP	14TWW3	14	0.3	\$1.49	\$1.25	\$.95
37437	CA	16TWW2	16	0.3	2.95	2.75	2.49
75416	CA	24TWW2	24	0.6	1.49	1.25	.95
40353	CA	28WW2	28	0.6	2.95	2.75	2.49

3 Level Machine Tooled Wire Wrap IC Sockets

★ Web Code: FAL

- Contact plating: gold
- Sleeve material: brass
- Contact resis.: <5m • Tin-plated leads
- Material: beryllium copper or phosphor bronze
- Dielectric withstanding voltage: 300V_{RMS}
- Insulation resistance: greater than 1000MΩ
- Body height: .115" (A) • Thru-hole lead length: .586" (L)
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide



Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100
94474	8MSWW3	8	0.3	\$1.49	\$1.35	\$1.19
62051	14MSWW3	14	0.3	1.75	1.55	1.39
37411	16MSWW3	16	0.3	2.25	1.95	1.75
94482	18MSWW3	18	0.3	2.49	2.25	1.95
38632	20MSWW3	20	0.3	2.49	2.25	1.95
105372	24MSWW3	24	0.3	2.75	2.49	2.25
94491	24MSWW3	24	0.6	2.95	2.75	2.49
200716	283MSWW3	28	0.3	3.25	2.95	2.75
40337	28MSWW3	28	0.6	3.95	3.49	3.25
94503	40MSWW3	40	0.6	4.95	4.49	3.95

Machine Contact Dual-In-Line Female Sockets

- 0.100" centers • Pin sleeve: tin
- Solder tail contact: .114" L
- Contact clip: gold

★ Web Code: KAM

JAMECO ValuePro



Part No.	Cross Ref. No.	Pins	1	10	100
212856	SA101000	10	\$.95	\$.85	\$.75
212936	SA481000	48	1.25	1.09	.99

SIMM Vertical Socket

★ Web Code: WAL

- Locking tabs • Tinned contacts
- Memory module sockets • Keyed mounting posts



Part No.	Mfr.	Cross Ref. No.	Description	1	10	100
100302	JVP	2000-1X30S	Single x 30-pin, vertical	\$1.49	\$1.35	\$1.19



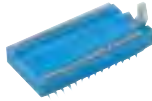
Low Profile ZIF Sockets

★ Web Code: UBX

Series 526

- Body: UL 94V-0 glass-filled polyester thermoplastic
- Beryllium copper alloy spring tempered contacts w/ 200µ" (5.08µm) tin plating
- Contact res.: 10mΩ max. • Contact current: 2A
- Breakdown voltage: 1000VAC min.
- Center pins: .600" (15.24mm) • Zinc alloy cam
- Operating temp.: -67°F to 221°F (-55°C to 105°C)
- Suggested PCB hole size: .035" Dia. (0.89mm)

102745



Part No.	Mfr. Part No.	Pins	Size (L" x W")	1	5	25
296789	24-526-10	24	1.45 x .75	\$8.95	\$7.95	\$7.25
102745	28-526-10	28	1.64 x .75	8.95	7.95	6.95
102753	40-526-10	40	2.24 x .75	9.95	8.95	7.95



High Temp. Universal ZIF Test Sockets

Series 6554

- Accepts devices on .300" to .600" (7.62mm to 15.24mm) centers
- -10: 100µ" tin over 50µ" nickel; -11: 10µ" gold over 50µ" nickel
- Operating temperature:
 - 10: 221°F (105°C) – tin plating
 - 11: 302°F (150°C) – gold plating
- Socket body: UL 94V-0 glass-filled PPS • Beryllium copper contact plating
- Stainless steel handle • Center pins: 0.600" • Insulation resistance: 1000MΩ
- Contact current: 1A • Dielectric withstanding voltage: 1000VAC

★ Web Code: AAN

104012



Part No.	Mfr. Part No.	Pins	Size (L" x W")	1	5	25
103992	24-6554-10	24	1.8 x 0.9	\$7.75	\$7.25	\$6.75
104003	28-6554-10	28	2.0 x 0.9	8.95	7.95	6.95
104012	32-6554-10	32	2.1 x 0.9	9.95	8.95	7.95
104030	40-6554-10	40	2.5 x 0.9	11.95	10.95	9.95
295233	40-6554-11	40	2.0 x 0.9	17.95	16.95	16.59

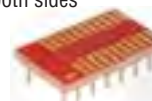


SOIC/SOJ to DIP Adapters

★ Web Code: YBS

- Board material: 0.062" thick FR-4 w/ 1 oz. copper traces on both sides
- Brass alloy pins with 200µ" (5.08µm) min. tin plating
- Operating temperature: 221°F (105°C) max.
- Suggested PCB hole size: 0.028" Dia. (0.71mm)
- Center pins: 0.300" (7.62mm)

291292



Part No.	Mfr. Part No.	Pins	Size (L" x W")	1	10	100
291208	08-350000-11RC	8	.400 x .46	\$6.95	\$6.29	\$5.69
291292	14-350000-11RC	14	.700 x .45	6.95	6.29	5.69
291515	16-350000-11RC	16	.800 x .45	7.49	6.75	5.59
291980	24-350000-11RC	24	1.20 x .45	7.95	6.95	6.25

Transistors

★ Web Code: FEN

* Order in multiples of 10									
Part No.	Mfr.	Product No.	Pkg.	Desc.	V _{ceo}	Min. (h _{FE} @ Ic)	1	10	100
26462	+	MPSA06	TO-92	NPN	80	100k @ .01A	*	\$.08	\$.06
26489	+	MPSA13*	TO-92	NPN	30	5k @ .01A	*	.08	.07
210593	+	MPSA14	TO-92	NPN	30	20k @ .10A	*	.12	.10
210681	+	MPSA18*	TO-92	NPN	45	500 @ .001A	*	.10	.08
33021	+	TIP29A	TO-220	NPN	60	15 @ 1A	.45	.39	.35
33048	+	TIP31A*	TO-220	NPN	60	10 @ 3A	.39	.35	.29
179354	FSC	TIP31C	TO-220	NPN	100	10 @ 3A	.35	.29	.25
890568	ST	TIP35C	TO-247	NPN	100	25 @ 1.5A	1.29	1.19	1.09
33081	+	TIP41A	TO-220	NPN	60	15 @ 3A	.39	.35	.29
179371	+	TIP41C	TO-220	NPN	100	15 @ 3A	.39	.35	.29
178546	+	MPSA42	TO-92	NPN	30	40 @ .03A	*	.15	.12
32977	+	TIP102*	TO-220	NPN	100	1k @ 3A	.45	.39	.35
179240	FSC	TIP102	TO-220	NPN	100	1k @ 3A	.65	.55	.49
32993	+	TIP120*	TO-220	NPN	60	1k @ 3A	.39	.35	.29
32994	+	TIP120	TO-220	NPN	60	1k @ 3A	.49	.45	.39
179291	FSC	TIP120	TO-220	NPN	60	1k @ 3A	.49	.45	.39

*10 pcs. in Transistor cabinet kit, pg 16

Transistors (Continued)

★ Web Code: FEN

* Order in multiples of 10

Part No.	Mfr.	Product No.	Pkg.	Desc.	V _{ceo}	Min. (h _{FE} @ Ic)	1	10	100
120416	+	TIP122	TO-220	NPN	100	1k @ 3A	\$.39	\$.35	\$.29
179303	FSC	TIP122	TO-220	NPN	100	1k @ 3A	.45	.39	.35
260558	NTE	NTE123AP	TO-92	NPN	40	40 @ .001A	1.19	1.09	.95
890445	ST	TIP142	TO-218	NPN	100	1k @ 0.5A	1.19	1.09	.95
2132293	+	BD158	TO-126	NPN	300	30 @ .05A	.49	.39	.29
254810	+	BC337	TO-92	NPN	45	100 @ .10A	*	.09	.07
254801	+	BC547B	TO-92	NPN	45	330 @ .002A	*	.07	.06
254799	+	BC547C	TO-92	NPN	45	600 @ .002A	*	.08	.06
254781	+	BC548B	TO-92	NPN	30	110 @ .002A	*	.09	.07
800568	MOT	MPS918	TO-92	NPN	15	20 @ .003A	*	.12	.09
38228	+	2N2219A	TO-39	NPN	40	100 @ .15A	.49	.45	.39
26446	+	MPQ2222	DIP-14	NPN	40	100 @ .15A	2.95	2.75	2.49
28628	+	PN2222*	TO-92	NPN	30	100 @ .15A	*	.06	.05
38236	+	2N2222A*	TO-18	NPN	40	100 @ .15A	.49	.45	.39
38237	+	2N2222A	TO-18	NPN	40	100 @ .15A	.55	.49	.45
213938	+	MMBT2222A	SOT-23	NPN	40	100 @ .15A	*	.07	.05
210673	+	MPS2222A	TO-92	NPN	40	40 @ .50A	*	.08	.06
178511	+	PN2222A	TO-92	NPN	40	100 @ .15A	*	.06	.05
178512	+	PN2222A	TO-92	NPN	40	100 @ .15A	*	.07	.06
38295	+	2N3053*	TO-39	NPN	40	25 @ .15A	.65	.55	.49
38308	+	2N3055*	TO-3	NPN	60	15 @ 10A	1.09	.99	.85
211406	+	2N3055A	TO-3	NPN	60	20 @ 4A	1.95	1.75	1.49
211385	+	TIP3055	TO-218	NPN	60	5 @ .001A	.95	.85	.75
25857	+	MJE3055T	TO-220	NPN	60	20 @ 4A	.45	.39	.29
194415	+	2N3439	TO-39	NPN	350	40 @ .02A	.75	.65	.55
209242	+	2N3771	TO-3	NPN	40	15 @ 15A	2.19	1.95	1.75
38359	+	2N3904*	TO-92	NPN	40	100 @ .01A	*	.05	.03
38360	+	2N3904	TO-92	NPN	40	100 @ .01A	*	.05	.03
178597	FSC	2N3904	TO-92	NPN	40	100 @ .01A	*	.06	.035
783421	FSC	2N3904BU	TO-92	NPN	40	100 @ .01A	*	.07	.04
94967	+	MMBT3904	SOT-23	NPN	40	100 @ .01A	*	.07	.05
38421	+	2N4401*	TO-92	NPN	40	100 @ .15A	*	.06	.05
783498	FSC	2N4401TA	TO-92	NPN	40	20 @ .1mA	*	.06	.05
140373	+	2N5179	TO-72	NPN	12	25 @ .003A	1.49	1.35	1.19
1945081	FSC	2N5306	TO-92	NPN	25	7000 @ .002A	*	.19	.15
2158979	+	2N6284	TO-3/2	NPN	100	750 @ 10A	2.95	2.49	2.25
924300	ST	2N6284	TO-3/2	NPN	100	750 @ 10A	3.29	3.15	2.89
194618	+	2N6547	TO-3	NPN	400	12 @ 5A	3.95	3.49	3.25
194626	+	2N6678	TO-3	NPN	400	8 @ 15A	5.95	4.95	4.25
33030	+	TIP30A	TO-220	PNP	60	15 @ 1A	.45	.39	.35
33064	+	TIP32A*	TO-220	PNP	60	10 @ 3A	.39	.35	.25
181841	+	TIP32C	TO-220	PNP	100	10 @ 3A	.35	.29	.25
890592	ST	TIP36C	TO-218	PNP	100	25 @ 1.5A	1.15	1.05	.95
33101	+	TIP42A	TO-220	PNP	60	15 @ 3A	.45	.39	.35
139580	+	TIP42C	TO-220	PNP	100	15 @ 3A	.45	.39	.35
179258	+	TIP107	TO-220	PNP	100	1k @ 3A	.45	.39	.35
288526	+	TIP115	TO-220	PNP	60	1k @ 1A	.25	.19	.15
33013	+	TIP125	TO-220	PNP	60	1k @ 3A	.39	.35	.29
179320	+	TIP127	TO-220	PNP	100	1k @ 3A	.35	.29	.25
890488	ST	TIP147	TO-218	PNP	100	1k @ 5A	1.49	1.39	1.25
260611	NTE	NTE159	TO-92	PNP	80	50 @ .01A	1.35	1.19	.95
1215986	+	BC327	TO-92	PNP	45	100 @ .10A	*	.19	.15
2125456	MEC	MH810	TO-220	PNP	30	240 @ .5A	.49	.39	.29
194378	+	2N2905A	TO-39/3	PNP	60	100 @ .15A	.59	.49	.45
924297	ST	2N2907	TO-18	PNP	40	75 @ .01A	.65	.55	.49
26454	+	MPQ2907	DIP-14	PNP	40	100 @ .15A	.99	.79	.59
28644	+	PN2907*	TO-92	PNP	40	100 @ .15A	*	.07	.05
211342	+	MPS2907A	TO-92	PNP	60	100 @ .15A	*	.10	.08
178520	+	PN2907A	TO-92	PNP	60	100 @ .15A	*	.05	.04
38279	+	2N2907A*	TO-18	PNP	60	100 @ .15A	.49	.45	.39

*10 pcs./**100 pcs. in Transistor cabinet kit, pg 16

* FSC = Fairchild Semiconductor | MEC = Micro Electronics | MOT = Motorola | NTE = NTE Electronics | ST = ST Micro | + Major Brands

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search boxOrder by Phone at 1-800-831-4242 or Online at www.Jameco.com

Transistors (Continued)

*Web Code: FEN

Part No.	Mfr.	Product No.	Pkg.	Desc.	V _{ceo}	Min. (h _{FE} @ I _c)	* Order in multiples of 10		
							1	10	100
211502	♦	MJ2955	TO-3	PNP	60	20 @ 4A	\$1.29	\$1.19	\$1.09
25831	♦	MJE2955T	TO-220	PNP	60	20 @ 4A	.45	.39	.35
38375	♦	2N3906*	TO-92	PNP	40	100 @ .01A	*	.05	.03
178618	FSC	2N3906	TO-92	PNP	40	100 @ .01A	*	.06	.035
38447	♦	2N4403*	TO-92	PNP	40	100 @ .15A	*	.06	.05
210649	♦	2N5401*	TO-92	PNP	150	60 @ .01A	*	.13	.11
253438	♦	2N5884	TO-3	PNP	80	4 @ 25A	3.25	2.75	2.49
261121	NTE	NTE6410	TO-92	PNP	30	—	4.95	4.59	4.25
2095411	♦	EPX-002P	Transistor mgt. pads TO-92/98/18/72				*	.08	.06

* 10 pcs./** 100 pcs. in Transistor cabinet kit, below

Transistor Assortment Cabinet Kit

*Web Code: CKS

Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 144 and 30 adhesive labels for drawers to identify parts in kit

10 each: 2N2222A, 2N2907A, 2N3053, 2N3055, 2N4401, 2N4403, 2N5401, 2N7000, MJE3055T, MPSA18, MPSA06, MPSA13, TIP31A, TIP32A, TIP102, TIP120

100 each: 2N3904, 2N3906, PN2222, PN2907

Part No.	Description	Wt. (lbs.)	1	5
82595	560 pcs. (20 types) NPN, PNP transistor kit	5.1	\$69.95	\$59.95
130374	Refill for 82595 (560 pcs.)	0.4	54.95	49.95

J-FETs

Please Note: Manufacturer may vary

*Web Code: JAD

Part No.	Product No.	Pkg.	Channel	BV _{DS} @ I _g (μA)	I _{SS} (mA) @ V _{DS}	1	10	100
26403	MPF102	TO-92	N	-25 @ -10	2 @ 15	\$.99	\$.89	\$.79
210622	2N3819	TO-92	N	-25 @ -1	20 @ 15	.69	.59	.49
253948	2N5457	TO-92	N	-25 @ -10	1 @ 15	.89	.79	.69
253921	2N5458	TO-92	N	-25 @ -10	2 @ 15	.89	.79	.69
253577	2N5486	TO-92	N	-25 @ -1	8 @ 15	.59	.49	.45
38527	2N5951	TO-92	N	-30 @ -1	7 @ 15	.89	.79	.69
2159699	U1898	TO-92	N	-40 @ 50	20 @ 15	.79	.59	.39
253913	2N5460	TO-92	P	40 @ 10	-1 @ -15	.85	.75	.65
253905	2N5461	TO-92	P	40 @ 10	-2 @ 15	.79	.69	.59

Hexfet Power MOSFETs

*Web Code: HDU

Part No.	Mfr. Part No.	Pkg.	Channel	BV _{DS}	Min. On-St. DS Current	1	10	100
1563147	IRFZ44NPBF	TO-220AB	N	55	49A	\$1.35	\$1.15	\$.95
1560051	IRF540NPBF	TO-220AB	N	100	33A	1.45	1.15	.85
1559965	IRF5305PBF	TO-220AB	P	-55	-31A	1.25	1.09	.85

N-Channel & P-Channel MOSFETs

*Web Code: GCJ

Part No.	Mfr.	Product No.	Pkg.	Channel	BV _{DS}	Min. On-St. DS Current	1	10	100
669871	♦	IRFZ24N	TO-220AB	N	55	17A	\$.89	\$.79	\$.59
669927	♦	IRFBG30	TO-220AB	N	1000	3.1A	1.69	1.45	1.29
669935	♦	IRFZ34N	TO-220AB	N	55	26A	1.09	.89	.69
669943	♦	IRLZ34N	TO-220AB	N	55	30A	1.09	.89	.69
669951	♦	IRFZ44N	TO-220AB	N	55	49A	1.25	1.05	.85
669978	♦	IRFZ46N	TO-220AB	N	55	53A	1.29	.99	.79
669986	♦	IRFZ48N	TO-220AB	N	55	64A	1.39	1.15	.89
256031	♦	BS170	TO-92	N	60	0.5A (max.)	*	.15	.12
1217519	FSC	BS170	TO-92	N	60	0.5A (max.)	*	.19	.15
670098	♦	IRFP250N	TO-247AC	N	200	30A	1.95	1.49	1.29
670101	♦	IRFP260N	TO-247	N	200	50A	3.49	2.55	2.09
670135	♦	IRFP450	TO-247	N	500	14A	2.75	2.25	1.95
670143	♦	IRFP460	TO-247	N	500	20A	2.95	2.75	2.49
209234	♦	IRF510	TO-220	N	100	5.6A	.79	.69	.59
1559885	INR	IRF510PBF	TO-220	N	100	5.6A	*	.49	.46
209226	♦	IRF520	TO-220	N	100	10A	.89	.79	.69
209058	♦	IRL520	TO-220	N	100	9.2A	.89	.79	.69

N-Channel & P-Channel MOSFETs (Cont.)

*Web Code: GCJ

Part No.	Mfr.	Product No.	Pkg.	Channel	BV _{DS}	Min. On-St. DS Current	1	10	100
210500	♦	IRF530	TO-220	N	100	14A	\$.79	\$.69	\$.59
670151	♦	IRF530N	TO-220AB	N	100	17A	1.19	.99	.75
670160	♦	IRL530N	TO-220AB	N	100	17A	.95	.85	.65
210518	♦	IRF540	TO-220	N	100	27A	.89	.79	.69
670194	♦	IRL540N	TO-220AB	N	100	30A	1.39	1.09	.95
210526	♦	IRF620	TO-220	N	200	6.0A	.75	.65	.55
210534	♦	IRF630	TO-220	N	200	9.0A	.59	.49	.45
210542	♦	IRF640	TO-220	N	200	18A	1.09	.99	.79
670231	♦	IRF644	TO-220AB	N	250	14A	.95	.85	.65
210551	♦	IRF730	TO-220	N	400	5.5A	.89	.79	.69
210569	♦	IRF740	TO-220	N	400	10A	.99	.89	.79
210577	♦	IRF820	TO-220	N	500	4.0A	.89	.79	.69
210585	♦	IRF830	TO-220	N	500	4.5A	.79	.69	.59
184719	♦	IRF840	TO-220	N	500	8.0A	.85	.75	.65
787798	FSC	RFP12N10L	TO-220AB	N	100	12A	.65	.59	.55
670282	♦	IRF1405	TO-220AB	N	55	169A	2.49	2.09	1.75
279460	♦	VN2222LL	TO-92	N	60	0.75A	.35	.29	.25
874875	FSC	NDT3055L	SOT-223	N	60	10A	.59	.49	.45
618089	♦	IRF3205	TO-220	N	55	110A	1.75	1.45	1.25
670354	♦	IRF3415	TO-220AB	N	150	43A	1.95	1.75	1.49
785590	FSC	FQP50N06	TO-220	N	60	—	.99	.89	.75
875051	FSC	RFP50N06	TO-220AB	N	60	50A	1.29	1.15	.95
119423	♦	2N7000	TO-92	N	60	0.3A	*	.07	.05
178669	FSC	2N7000*	TO-92	N	60	0.2A	*	.08	.06
783594	FSC	2N7000	TO-92	N	60	0.75A	*	.10	.08
140169	♦	2N7002	SOT-23	N	60	0.5A	*	.09	.07
256057	♦	BS250	TO-92	P	-45	0.25A (max.)	.75	.65	.55
1944901	♦	ZVP3306A	TO-92	P	-60	-0.4A	.55	.45	.35
670442	♦	IRF4905	TO-220AB	P	-55	-74A	1.85	1.49	1.35
1559851	INR	IRF4905PBF	TO-220AB	P	-55	-74A	1.95	1.59	1.45
670477	♦	IRF5210	TO-220AB	P	-100	-40A	2.49	1.95	1.39
670485	♦	IRF5305	TO-220AB	P	-55	-31A	1.09	.95	.75
670581	♦	IRF9234N	TO-220AB	P	-55	-1.8A	1.09	.99	.75
670629	♦	IRF9520	TO-220AB	P	-100	6A	1.19	1.09	.95
670741	♦	IRF9530	TO-220AB	P	-100	-12A	1.09	.95	.85
670637	♦	IRF9530N	TO-220AB	P	-100	-14A	1.25	1.05	.85
670645	♦	IRF9540N	TO-220AB	P	-100	-23A	1.49	1.19	.95
670653	♦	IRF9640	TO-220AB	P	-200	-11A	1.15	.95	.85

* 10 pcs. in Transistor cabinet kit, above left † DMOS FET

Small Signal Diodes

*Web Code: JDQ

Part No.	Mfr.	Product No.	Pkg.	Description	10	100	1000
36311	♦	1N914**	DO-35	75PRV, 0.01A	\$.05	\$.02	\$.015
179207	VSH	1N914	DO-35	100PRV	.05	.03	.02
655269	♦	1N914A	DO-35	100VRRM, 0.2A	.05	.03	.02

** 100 pcs. in Diode/Rectifier cabinet kit, page 17

*Transient Voltage Suppressors — Enter Web Code QBQ

Diodes

*Web Code: PAK

Part No.	Mfr.	Product No.	Pkg.	Description	1	10	100
1559164	INR	HFA08TB60PBF	TO-220AC	600VBR, 8A (Ultrafast)	\$1.75	\$1.49	\$1.25
35941	♦	1N270*	DO-7	80PRV (Germanium)	.99	.89	.79
312101	♦	MBR1100	DO-41	100PRV, 1.0A (Schottky)	.25	.22	.19
743285	FSC	1N4148	DO-35	75PRV, 0.01A (Switching)	*	.06	.03
36038	♦	1N4148**	DO-35	75PRV, 0.01A (Switching)	*	.05	.02
151247	♦	1N4148T	DO-35	75PRV, 0.01A (tape/reel)	*	.06	.03
179215	VSH	1N4148	DO-35	100PRV (Switching)	*	.05	.02
656042	♦	1N4150	DO-35	75BV, 0.4A (Ultrafast)	*	.10	.075
743710	ST	1N6263	DO-35	60VRRM, 50mA (Schottky)	*	.12	.10
1558946	INR	80SQ045	DO-204	40VRRM, 8A (Schottky)	1.39	1.29	1.09

* 10 pcs./** 100 pcs. in Diode/Rectifier cabinet kit, pg 17

* FSC = Fairchild Semi | INR = International Rectifier | NTE = NTE | ST = ST Micro | VSH = Vishay Technology | ♦ Major Brands

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



Zener Diodes

* Web Code: LAF

Part No.	Mfr.	Product No.	Pkg.	V _{znom}	Pwr Dissipation	* Order in multiples of 10		
						1	10	100
36290	♦	1N751A	DO-35	5.1V	0.5W	.....	* \$ .07	\$.05
178773	VSH	1N4732A	DO-41	4.7V	1W	.....	* .09	.05
36097	♦	1N4733A*	DO-41	5.1V	1W	.....	* .06	.05
36118	♦	1N4734A	DO-41	5.6V	1W	.....	* .06	.05
36126	♦	1N4735A	DO-41	6.2V	1W	.....	* .06	.05
178837	♦	1N4739A	DO-41	9.1V	1W	.....	* .06	.05
36169	♦	1N4742A*	DO-41	12V	1W	.....	* .05	.04
36185	♦	1N4744A	DO-41	15V	1W	.....	* .07	.05
782922	FSC	1N4749AT/R	DO-41	24V	1W	.....	* .05	.04
743488	FSC	1N5226B	DO-35	3.3V	0.5W	.....	* .05	.03
179039	♦	1N5230B	DO-35	4.7V	0.5W	.....	* .07	.05
179047	♦	1N5231B	DO-35	5.1V	0.5W	.....	* .09	.07
804818	ON	1N5352BG	Surmetic-40	15V	5W	.....	.29	.25
804914	ON	1N5359BG	Surmetic-40	24V	5W	.....	.35	.29

*10 pcs. in Diode/Rectifier cabinet kit, below

Diode/Rectifier Assortment Cabinet Kit

* Web Code: CKS

420 pcs. (15 types) Diodes, Zener Diodes, Switching and Silicon Rectifiers

Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 144 and 30 adhesive labels for drawers to identify parts in kit.

10 each: 1N270, 1N751A, 1N4001, 1N4007, 1N4150, 1N4733A, 1N4735A, 1N4742A, 1N5404, 1N5408, C106B1, KBP04M

100 each: 1N914, 1N4004, 1N4148



Part No.	Description	Wt. (lbs.)	1	5
82587	420 pcs. (15 types) diode kit	5.0	\$44.95	\$39.95
130366	Refill for 82587 (420 pcs.)	0.3	29.95	26.95

Triacs

* Web Code: PAE

Part No.	Mfr.	Product No.	Pkg.	Rating	1	10	100
160098	♦	HT-32	DO-35	27.37 V _{BO} , 2A	.....	\$ .35	\$.29
31819	♦	SC146B	TO-220	200 V _{DRM} , 10A (2N6342)	.....	1.75	1.49
31827	♦	SC146M	TO-220	600 V _{DRM} , 10A (2N6344)	.....	2.25	1.95
1165690	BNS	TIC201M	TO-220	600 V _{DRM} , 2.5A	.....	.49	.39
160207	TEC	Q4008L4	TO-220AB	400 V _{DRM} , 8A	.....	1.19	1.05
220492	TEC	Q4008R4	TO-220AB	400 V _{DRM} , 8A	.....	1.35	1.25
139336	TEC	Q4015L5	TO-220AB	400 V _{DRM} , 15A	.....	1.55	1.39
160215	TEC	Q6008L5	TO-220AB	600 V _{DRM} , 8A	.....	1.69	1.55
160231	TEC	Q6015L5	TO-220AB	600 V _{DRM} , 15A	.....	1.95	1.75
220505	TEC	Q6025R6	TO-220AB	600 V _{DRM} , 25A	.....	2.19	2.05
220521	TEC	Q6035P5	TO-3	600 V _{DRM} , 35A	.....	8.95	7.95
140425	♦	2N6071A	TO-225AA	200 V _{DRM} , 4A	.....	.59	.55

SanRex® Fast-On Package Triac

Part No.	Mfr.	Part No.†	Pkg.	Rating (X _{DRM} , I _{T(RMS)})	1	10	100
658275	TG35F60	Fast-On	Isolated	35A, 600V	.....	\$8.95	\$7.95

† For cross-references to Littelfuse, ST, and ON Semi products refer to datasheets @ Jameco.com.

Rectifiers

* Web Code: LBD

Part No.	Mfr.	Product No.	Pkg.	Rating	1	10	100	1000
177754	TAT	T6A05L	T6L	50 PIV, 6A	.....	\$ .39	\$.35	\$.29
177762	TAT	T6A10L	T6L	100 PIV, 6A	.....	.49	.45	.39
177818	TAT	T6A100L	T6L	1000 PIV, 6A	.....	.69	.59	.49
2126011	DDI	SR506-T	DO-201AD	60 PRV, 5A (Schottky)	.....	.29	.25	.22

Rectifiers (Continued)

* Web Code: LBD

Part No.	Mfr.	Product No.	Pkg.	Rating	1	10	100	1000
35924	♦	1N1188	DO-5	400 PRV, 35A	.....	\$4.25	\$3.75	\$3.15
618097	♦	MBR2535CT	TO-220	35 VRPM, 30A	.....	.69	.59	.49
35975	♦	1N4001*	DO-41	50 PRV, 1A	.....	* .05	.02	.015
76961	♦	1N4002	DO-41	100 PRV, 1A	.....	* .05	.02	.015
76970	♦	1N4003	DO-41	200 PRV, 1A	.....	* .05	.02	.015
35991	♦	1N4004*	DO-41	400 PRV, 1A	.....	* .05	.02	.015
274811	SGS	HYT11-600	DO-41	1000V, 1A	.....	.39	.35	.29
76988	♦	1N4005	DO-41	600 PRV, 1A	.....	* .05	.03	.02
76996	♦	1N4006	DO-41	800 PRV, 1A	.....	* .05	.03	.02
36011	♦	1N4007*	DO-41	1000 PRV, 1A	.....	* .05	.02	.015
36012	♦	1N4007	DO-41	1000 PRV, 1A	.....	* .05	.02	.015
1537951	DDI	1N4007-T	DO-41	1000 V _{RRM} , 1A	.....	* .06	.05	.03
36249	♦	1N5401	DO-201AD	100 PIV, 3A	.....	* .12	.10	.08
77083	♦	1N5402	DO-27A	200 PRV, 3A	.....	* .14	.12	.10
36265	♦	1N5404*	DO-27A	400 PRV, 3A	.....	* .12	.10	.08
36273	♦	1N5408*	DO-27A	1000 PRV, 3A	.....	* .12	.10	.08
36274	♦	1N5408	DO-27A	1000 PRV, 3A	.....	* .13	.11	.09
177949	♦	1N5817	DO-204AL	20 PIV, 1A	.....	* .14	.12	.10
177957	♦	1N5818	DO-204AL	30 PIV, 1A	.....	* .14	.12	.10
177965	♦	1N5819	DO-204AL	40 PIV, 1A	.....	* .14	.12	.10
177973	♦	1N5820	DO-201AD	20 PIV, 3A	.....	* .09	.05	.04
177981	♦	1N5821	DO-201AD	30 PIV, 3A	.....	* .16	.14	.12
177990	♦	1N5822	DO-201AD	40 PIV, 3A	.....	* .16	.14	.12
2138804	♦	1T2	DO-41	100 V _{RRM} , 1A	.....	* .05	.03	.02
2126310	ST	BYW80-50	TO-220AC	50 PIV, 8A	.....	.29	.22	.19

*10 pcs./ **100 pcs. in Diode/Rectifier cabinet kit, left

Bridge Rectifiers

* Web Code: MBD

Part No.	Mfr.	Product No.	Pkg.†	Rating	1	10	100
178001	♦	DF005M	DF	50 V _{RRM} , 1A	.....	\$ .29	\$.25
103000	♦	DF01M	DF	100 V _{RRM} , 1A	.....	.29	.25
103042	♦	DF02M	DF	200 V _{RRM} , 1A	.....	.29	.25
102971	♦	DF04M	DF	400 V _{RRM} , 1A	.....	.35	.29
103034	♦	DF06M	DF	600 V _{RRM} , 1A	.....	.35	.29
103026	♦	DF10M	DF	1000 V _{RRM} , 1A	.....	.35	.29
145429	♦	KBP02M	KBP	200 V _{RRM} , 1.5A	.....	.25	.19
119562	♦	KBP04M*	KBP	400 V _{RRM} , 1.5A	.....	.45	.35
103018	♦	W02G	WOG	200 V _{RRM} , 1.5A	.....	.35	.29
102980	♦	W04G	WOG	400 V _{RRM} , 1.5A	.....	.35	.29
178132	♦	W01M	WOM	100 V _{RRM} , 1.5A	.....	.25	.22
178141	♦	W02M	WOM	200 V _{RRM} , 1.5A	.....	.29	.25
178183	TAT	BR805D	BR8D	50 PIV, 2A	.....	.49	.45
678137	♦	2KBP04M	KBP	400 V _{RRM} , 2A	.....	.39	.35
253260	♦	2KBP06M	KBP	600 V _{RRM} , 2A	.....	.45	.35
253286	♦	2KBP10M	KBP	1000 V _{RRM} , 2A	.....	.55	.45
1541466	DDI	RS405L	RS-4L	600 V _{RRM} , 4A	.....	.89	.79
1545416	♦	KBU8B	KBU	100 V _{RRM} , 8A	.....	1.09	.99
2138871	♦	GBU4J	GBU	600 V _{RRM} , 4A	.....	.49	.45
1216133	♦	SBU8J	SBU	600 V _{RRM} , 8A	.....	1.49	1.25
299874	♦	GBPC1206	GBPC (screw)	600 V _{RRM} , 12A	.....	1.95	1.75
299866	♦	GBPC1206W	GBPC-W (wire)	600 V _{RRM} , 12A	.....	1.25	.99
2132242	♦	GBPC1208W	GBPC-W (wire)	800 V _{RRM} , 12A	.....	1.25	1.09
179477	♦	GBPC25-01	GBPC	100 V _{RRM} , 25A	.....	1.95	1.75
179485	♦	GBPC25-02	GBPC	200 V _{RRM} , 25A	.....	2.25	1.95
178280	♦	MB254	MB35	400 V _{RRM} , 25A	.....	2.75	2.49

† DF – plastic case *10 pcs. in Diode/Rectifier cabinet kit, above left Continued on next page

* BNS = Bourns Inc. | DDI = Diode Inc. | FSC = Fairchild Semi | ON = ON Semi | SGS = SGS Thomson | ST = ST Micro | TAT = Taitron | TEC = Teccor Electronics | VSH = Vishay Technology | ♦ Major Brands

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search boxOrder by Phone at 1-800-831-4242 or Online at www.Jameco.com

Bridge Rectifiers (Continued)

*Web Code: MBD

Part No.	*Mfr.	Product No.	Pkg.†	Rating	1	10	100
178431	✦	MB358	MB35	800 V _{RRM} , 35A	\$2.95	\$2.75	\$2.49
25574	✦	MDA990-3	179-01	200 PIV, 30A	3.75	3.49	3.25
25591	✦	MDA990-6	179-01	600 PIV, 30A	3.95	3.75	3.49
178503	TAT	TB3510	TB35	1000 PIV, 35A	3.49	3.25	2.95

† DF/KBP/WOG/WOM/179-01 – plastic case; GBPC/TB35 – plastic case, metal base; MB35 – metal case

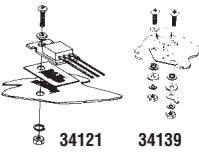
Heat Sink Mounting Kits

*Web Code: JAB

• TO-3 and TO-220 heat sink insulator assemblies

34121/34139: 10 kits per pack * Order in multiples of 10

Part No.	Type	Description	1	10	100
34121	TO-220	5 pcs per kit	\$3.95	\$3.59	\$3.25
34139	TO-3	12 pcs per kit	3.95	3.59	3.25
2145060	TO-220	Glass-filled insulator	...	.12	.10



Silicon Controlled Rectifiers (SCRs)

*Web Code: BAB

Part No.	*Mfr.	Product No.	Pkg.	Rating	1	10	100
14859	✦	C38M	TO-65	600 PRV, 35A (2N3899) ...	\$6.95	\$6.25	\$5.49
14736	✦	C106B1*	TO-202	200 PRV, 4A (2N6239)†	.69	.59	.49
14752	✦	C122B	TO-220	200 PRV, 8A	1.09	.99	.89
14761	✦	C122M	TO-220	600 PRV, 8A	1.35	1.25	1.05
160119	✦	T106D1	TO-202AB	400 PRV, 4A	.59	.49	.45
119802	✦	2N5060	TO-92	25 PRV, 0.8A	.29	.25	.19
211422	✦	2N5061	TO-92	60 PRV, 0.8A	*	.19	.15
160135	TEC	S6025L	TO-220AB	600 V _{DRM} , 25A	1.75	1.59	1.45
806063	ON	2N6027G	TO-92	40 V, 0.15A	.29	.19	.17
140417	✦	2N6507	TO-220AB	400 PRV, 25A	1.25	1.05	.89
885654	ON	2N6509	TO-220AB	800 V _{DRM} , 25A	1.29	1.15	.95

† Isolated *10 pcs. in Diode/Rectifier cabinet kit, pg 17

JAMECO ValuePro



Heat Sinks

- Material: black anodized aluminum (except for P/N 107297 – light weight aluminum)
- P/N 42622 can be mounted vertically with solderable mounting tabs

Part No.	*Mfr.	Product No.	Fig.	Type	Holes	Size (L" x W" x H")	1	10	100
2150942	AVD	9000000958	1	CPU	0	1.78 x 1.19 x 0.65	\$1.39	\$1.29	\$1.15
2077335	AVD	501200B00	2	DIP-14/16	0	0.73 x 0.25 x 0.19	.49	.45	.39
1115900	AVD	580200B00000G	3	DIP-14/16	0	0.84 x 0.60 x 0.41	.79	.69	.59
2150934	JVP	205-00036-001	2	DIP-14/16	0	1.18 x 0.64 x 0.65	.89	.79	.69
2155031	AVD	THM13103	4	TO-3	2	1.60 x 1.28 x 0.50	.99	.89	.79
151547	JVP	635-125B2	5	TO-3	4	1.83 x 1.40 x 1.25	1.59	1.45	1.29
189835	AVD	501303B00000G	5	TO-3	4	1.90 x 1.40 x 0.50	.89	.79	.69
16513	JVP	DUDE4	6	TO-3	4	4.75 x 1.50 x 1.25	3.75	3.25	2.75
2145086	AVD	322605B00000G	7	TO-5	1	0.75 x 0.75 x 0.236	.99	.89	.75
326757	JVP	529801B02500G	8	TO-218	3	1.64 x 1.00 x 1.50	1.39	1.25	1.05
891464	AVD	593002B03400G	6	TO-220	1	1.16 x 1.00 x 0.49	.59	.49	.45
326693	JVP	531002B05200G	8	TO-220	2	1.38 x 0.50 x 1.00	.99	.89	.79
326713	JVP	531102B02500	8	TO-220	3	1.38 x 0.50 x 1.50	.99	.89	.79
2155022	JVP	BK-T220-0082	9	TO-220	1	1.75 x 0.70 x 0.37	1.59	1.45	1.29
326765	JVP	531302B02500G	8	TO-220/202	3	2.50 x 1.38 x 0.50	1.19	1.05	.89
696626	AVD	530002B02500G	8	TO-220	1	2.52 x 1.65 x 1.00	2.25	1.85	1.49
696714	AVD	577002B00000G	10	TO-220	1	0.52 x 0.25 x 0.75	.29	.25	.22
158051	AVD	577102B00000G	10	TO-220	1	0.52 x 0.36 x 0.75	.29	.25	.22
1115643	AVD	577202B00000G	10	TO-220	1	0.52 x 0.50 x 0.75	.35	.29	.25
326596	JVP	507302B00000	10	TO-220	1	0.75 x 0.75 x 0.38	.29	.25	.17
70658	JVP	THM6073	10	TO-220	1	0.75 x 0.75 x 0.38	.35	.29	.19
129242	JVP	THM6106	10	TO-220	1	1.18 x 1.00 x 0.50	.65	.55	.45
70915	JVP	THM6106	10	TO-220	2	1.18 x 1.00 x 0.50	.69	.59	.49
696722	AVD	581002B02500G	11	TO-220	1	0.64 x 0.64 x 1.00	1.59	1.45	1.29
1115133	AVD	574402B03200G	12	TO-220	1	0.75 x 0.87 x 0.40	.59	.49	.45
107297	JVP	PSC2-U (cup-style)	12	TO-220	0	1.00 x 0.42 x 0.80	.39	.35	.29
42622	AVD	563002B00000G	13	TO-220	1	1.18 x 1.00 x 0.50	.59	.49	.45
2155348	AVD	THM6038	14	TO-220	0	1.18 x 1.00 x 0.50	.35	.29	.25
2159621	AVD	578622B03200G	15	TO-220 (Dual)	2	1.48 x 0.50 x 1.00	1.09	.99	.89



Fig. 1 (2150942)



Fig. 2 (2077335)



Fig. 3 (1115900)



Fig. 4 (2155031)



Fig. 5 (189835)



Fig. 6 (16513)



Fig. 7 (2145086)



Fig. 8 (326757)



Fig. 9 (2155022)



Fig. 10 (70658)



Fig. 11 (696722)



Fig. 12 (107297)



Fig. 13 (42622)



Fig. 14 (2155348)



Fig. 15 (2159621)

JAMECO ValuePro



Heat Sink Compounds

*Web Code: YBA

Part No.	Manufacturer	Description	Vol. (oz.)	1	10
615355	GC Electronics	Heat sink compound, 100% synthetic base stocks type 44	16	\$39.95	\$35.95
236823	ValuePro	Heat sink compound, silicon based grease	0.35	4.95	4.49
167249	Aavid Thermalloy	Heat sink compound, silicon based grease	2	8.95	7.95
169252	Techspray	Heat sink compound, silicon free	4	29.95	26.95
259151	NTE	Heat sink compound, white gel, thermal grease (5 pack)	0.35	2.49	2.25
615304	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	16	29.95	26.95
615312	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	0.23	2.95	2.65
615321	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	1	7.95	7.25



236823



167249



169252



615321

* AVD = Aavid Thermalloy | JVP = Jameco ValuePro | ON = On Semi | TAT = Taitron | TEC = Teccor | ✦ Major Brands

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Optoisolators, Optocouplers & LED Accessories



Optoisolators

★ Web Code: CAG

Part No.	★Mfr.	Product No.	Pkg.	Description	1	10	100
40985	♦	4N25	DIP-6	NPN phototransistor output	\$.25	\$.22	\$.19
41005	♦	4N26	DIP-6	NPN phototransistor output	.29	.25	.22
41013	♦	4N28	DIP-6	NPN phototransistor output	.29	.25	.22
41021	♦	4N32	DIP-6	NPN photodarlington output	.29	.25	.22
41030	♦	4N33	DIP-6	NPN photodarlington output	.25	.22	.19
41056	♦	4N35	DIP-6	NPN phototransistor output	.29	.25	.22
1872628	OPT	OPB606A	DIP-4	NPN phototransistor	1.39	1.29	1.19
1628828	IFT	ILQ74	DIP-16	Quad-channel phototransistor	2.09	1.89	1.69
320653	♦	PS2501-1	DIP-4	Single NPN phototransistor output	.35	.29	.25
320661	♦	PS2501-2	DIP-8	Dual NPN phototransistor output	1.19	1.09	.95
160338	♦	PS2501-4	DIP-16	Quad NPN phototransistor output	1.65	1.39	1.19
320688	♦	PS2502-1	DIP-4	Darlington photocoupler	.65	.55	.49
320696	♦	PS2502-2	DIP-8	Dual NPN photodarlington output	1.95	1.75	1.49
160362	♦	PS2502-4	DIP-16	Quad NPN photodarlington output	2.49	2.25	1.95
320717	♦	PS2505-2	DIP-8	High isolation volt. photocoupler	1.75	1.49	1.25
320725	♦	PS2505-4	DIP-16	Quad NPN phototransistor output	2.25	1.95	1.59
320805	♦	PS2532-4	DIP-16	Quad hi collector to emitter voltage	2.49	2.25	1.95
26278	♦	MOC3010	DIP-6	Bilateral sw. non-zero crossing triac	.49	.39	.35
95020	♦	MOC3011	DIP-6	Random phase, triac driver output	.49	.45	.35
277780	♦	MOC3020	DIP-6	Bilateral sw. non-zero crossing triac	.49	.39	.35
95038	♦	MOC3021	DIP-6	Random phase, triac driver output	.55	.45	.39
277819	♦	MOC3023	DIP-6	Random phase, triac driver output	.49	.45	.39
26294	JVP	MOC3031	DIP-6	Zero-crossing, triac driver output	.79	.69	.59
113953	♦	MOC3032	DIP-6	Zero-crossing, triac driver output	.75	.65	.55
277835	♦	MOC3041	DIP-6	Zero-crossing, triac driver output	.89	.79	.59
277843	♦	MOC3043	DIP-6	Zero-crossing, triac driver output	.99	.89	.75
133874	♦	MOC3063	DIP-6	Zero-crossing, triac driver output	.75	.65	.55
2006414	LTO	LTR-5986D	SIP-3	NPN phototransistor/detector	*.19	.19	.15

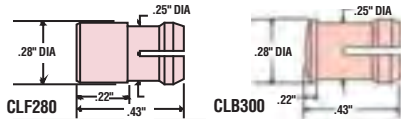
★ Subminiature LEDs — Enter Web Code SML



T1 3/4 Cliplite® LED Lens Mounts

Standard CLF280 and low profile CLB300 provide 180° viewing angle. Colors: red and clear.

★ Web Code: KAL



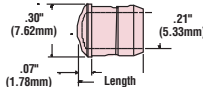
Part No.	Mfr. Part No.	Size	Color	1	10	100	1000
29612	CLF280RTP	T1 3/4	Red	\$.25	\$.19	\$.17	\$.15
14277	CLF280CTP	T1 3/4	Clear	.29	.25	.21	.19
124927	CLB300CTP	T1 3/4	Clear	.29	.25	.21	.19



Panel Lens for PCB Mounted T1 3/4 LED

T1-3/4 size low-profile panel lenses provide 180° viewing angle.

★ Web Code: KAL



Part No.	Mfr. Part No.	Size	Color	Length	1	10	100	1000
143132	CMC321CTP	T1 3/4	Clear	.33"	\$.29	\$.25	\$.21	\$.19



2-150mA T1 & T1 3/4 LED Tester

Plug any leaded LED into any 2 rows of sockets. 13.1" spaced positions test T1/T1 3/4 LEDs from 2 to 30mA; 13.2" spaced positions test larger footprint (high flux) LEDs from 20 to 150mA. Uses 9V battery (P/N 198731 – sold separately)



Part No.	Description	Size (L x W x H)	1	5	25
355805	LED tester	3.1" x 2.2" x 0.9"	\$9.95	\$8.95	\$7.95

Optocouplers

★ Web Code: NAK

* Order in multiples of 10

Part No.	★Mfr.	Product No.	Pkg.	Description	1	10	100
42471	♦	6N136	DIP-8	Hi-speed phototransistor output	\$.75	\$.65	\$.55
113911	♦	6N137	DIP-8	Hi CMR, hi-speed logic gate output	.79	.69	.59
42489	♦	6N138	DIP-8	Hi-speed photodarlington output	.69	.59	.49
18825	♦	H11AA1	DIP-6	AC input/phototransistor	.59	.49	.45
320434	♦	H11AA2	DIP-6	AC input phototransistor optocoupler	.39	.35	.25
113988	♦	H11L1	DIP-6	µPROC compatible Schmitt trigger	.89	.79	.69
871341	FSC	H11L1M	DIP-6	Logic output	.95	.85	.75
24918	♦	MCT6	DIP-8	High density NPN phototransistor	.99	.49	.45
672325	♦	MCT62	DIP-8	Dual channel NPN phototransistor	.65	.55	.45
2006385	LTO	LTV-814H	DIP-4	Phototransistor output, AC input	*.12	.12	.09
878286	LTO	LTV-847	DIP-16	Quad ch. phototransistor output	.69	.59	.49
1583156	CLA	PD2401*	DIP-16	AC solid st. sw. w/ dual pwr SCR output	6.95	5.95	5.49

* 4 pins

Slotted Optical Switches

2078282



2126301

★ Web Code: XAP

Part No.	★Mfr.	Product No.	Pkg.	Description	1	10	100
114091	♦	H21A1	4-pin w/ tab	Single channel, 20mA (Ic)	\$2.75	\$2.49	\$2.25
320901	♦	H21A3	4-pin w/ tab	Single channel, 20mA (Ic)	2.75	2.49	2.25
2078282	SIE	IRLA075	4-pin w/ tab	Single channel, 50mA (Ic)	.99	.89	.79
2126301	ISO	ISTS150	8-pin w/ tab	Dual channel, 20mA (Ic)	.89	.79	.59

★ Web Code: OTS



Optical Tilt Switches



2126521

2126555

Part No.	Mfr. Part No.*	Pkg.	Description	1	10	100
2126521	RP-CUB-30-000-NB	4-pin	Optical tilt, 30°, 5mA (Ic)	\$.79	\$.69	\$.55
2126555	RP-RUB-15-000-NB	4-pin	Optical tilt, 15°, 5mA (Ic)	.79	.69	.55
2126547	RP-RUB-30-000-NB	4-pin	Optical tilt, 30°, 5mA (Ic)	.79	.69	.55
2126539	RP-RUB-45-000-NB	4-pin	Optical tilt, 45°, 5mA (Ic)	.79	.69	.55

* CUB = horizontal mount PCB; RUB = vertical mount PCB



Conxrite Pre-Wired Solderless LED Interconnects

Designed to replace labor-intensive hard-wiring of panel-mounted LEDs to PCB.

417463



Part No.	Mfr. Part No.	LED Size	Termination (leads)	Length	1	10	100
143037	CNXCE2108	T1 3/4 (5mm)	2-pin connector	8" ...	\$2.19	\$2.09	\$1.75
417463	CNXCE2112	T1 3/4 (5mm)	2-pin connector	12" ...	2.49	2.25	1.95
143053	CNXCE2118	T1 3/4 (5mm)	2-pin connector	18" ...	1.75	1.59	1.45



T1 & T1 3/4 LED Mounting Hardware

• Color: black

★ Web Code: KAL



* Order in multiples of 10

Part No.	Mfr. P/N	Description	Mounting Hole Dia.	Panel Thickness	Pricing			
					1	10	100	1000
95513	LA27B	T1 snap-in	.185"	Up to .070"	*.12	\$.12	\$.10	\$.08
23077	PT18H013*	T1 3/4 ring/clip	.257"	Up to .125"	*.15	.15	.14	.12
95521	LA30B	Rect. snap in	.306" x .202"	Up to .092"	.10	.08	.06	.05

* Manufacturer: Jameco ValuePro

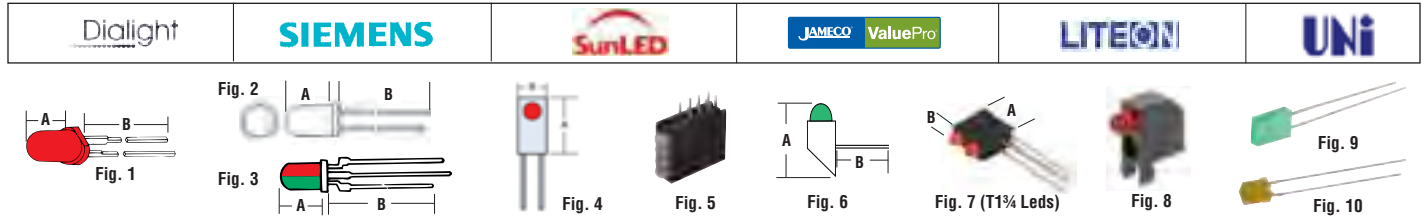
★ Standard Output LEDs — Enter Web Code: FAF

* CLA = Clare | FSC = Fairchild | IFT = Infineon | ISO = Isocom | JVP = Jameco ValuePro | LTO = Lite On | OPT = Optek | SIE = Siemens | ♦ Major Brands

* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com



Standard-Output LEDs

* Web Code: FAF

* Order in multiples of 10

Part No.	Product No.	Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing			
								A"	B"						1	10	100	1000
202471	MVL-301HR**	UNI	1	Red	Red diffused	T1	0.119/3	0.14	1.12	0.10	2.0	9.0	640	40	*	\$.10	\$.08	\$.06
152785	LT0341R-41	JVP	1	Red	Red diffused	T1	0.119/3	0.20	0.89	0.10	2.1	15.5	635	56	*	.12	.10	.08
333851	UT6371-41-M1	JVP	1	Red	Red diffused	T1	0.119/3	0.17	0.98	0.10	1.8	65	660	60	*	.12	.10	.08
94529	LH2040	JVP	1	Red	Red diffused (XC209RB)	T1	0.119/3	0.18	1.04	0.07	2.3	4.5	697	36	*	.12	.10	.08
152751	LT0344R-41	JVP	1	Red	Red clear	T1	0.119/3	0.20	0.89	0.10	2.1	60	635	36	*	.12	.10	.08
2081991	XLUR40W	JVP	2	Red	Water clear	T1	0.119/3	0.197	1.063	0.10	1.9	59	627	50	*	.07	.05	.03
333171	HLMP-K155-JV	JVP	2	Red	Red clear	T1	0.119/3	0.19	1.04	0.10	1.6	3.0	660	45	*	.12	.10	.08
333260	LHR2643	JVP	1	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	300	660	40	*	.10	.08	.06
114673	LH2043*	JVP	1	Red	Water clear (BR209)	T1	0.119/3	0.14	0.98	0.07	2.3	8	697	30	*	.12	.10	.08
206498	LHR2041	JVP	1	Red	Red transparent	T1	0.119/3	0.17	0.69	0.08	2.4	350	660	30	*	.12	.10	.08
697565	LTL-4211N	LTO	1	Bright Red	Red diffused	T1	0.118/3	0.175	1.00	0.10	2.1	4.4	697	60	*	.07	.05	.035
697590	LTL-4221N	LTO	1	Hi-eff Red	Red diffused	T1	0.118/3	0.175	1.00	0.10	2.0	8.7	635	60	*	.09	.08	.06
2006713	LTL-161CE	LTO	1	Hi-eff Red	Red diffused, flanged	T1	0.118/3	0.21	1.07	0.10	2.0	12.6	621	60	*	.10	.08	.06
2081932	BVL-300ESD	JVP	2	OrangeRed	Red diffused	T1	0.119/3	0.17	1.00	0.10	2.1	18	632	45	*	.08	.06	.05
94553	LHG2062	JVP	1	Red/Green	White diffused bi-color/bi-state	T1	0.119/3	0.18	1.06	0.08	2.6	3/1.2	697/565	36	*	.19	.15	.12
156946	LT0362-25-D61	JVP	3	Red/Green	White diffused bi-color/tri-state	T1	0.119/3	0.16	0.87	0.08	2.1	2.7/13.3	700/567	50	*	.39	.35	.29
333219	LY12340	JVP	1	Yellow	Yellow diffused	T1	0.119/3	0.13	0.98	0.10	1.7	6.5	585	112	*	.10	.08	.06
697688	LTL-4251N	LTO	2	Yellow	Yellow diffused	T1	0.118/3	0.175	1.00	0.10	2.1	5.6	585	60	*	.15	.12	.10
2155241	BVL-360YID	JVP	2	Yellow	Yellow diffused	T1	0.119/3	0.13	1.00	0.10	2.2	14	590	55	*	.10	.08	.06
34657	LY2040*	JVP	1	Yellow	Yellow diffused (XC209Y)	T1	0.119/3	0.16	0.68	0.08	1.2	20	585	36	*	.12	.10	.08
2133608	W934EW/YD	JVP	4	Yellow	Yellow diffused (right angle)	T1	0.118/3	0.29	0.18	0.10	2.1	15	590	60	*	.10	.08	.06
2125464	VX4SUGY91M	SLD	5	Yellow/Green	White diff. bi-color, quad-level	T1	0.119/3	0.47	0.20	0.10	2.1/2.2	24/6	590/565	130	*	.12	.10	.08
2006705	LTL-1CHYE*	LTO	1	Yellow	Water clear, flanged	T1	0.119/3	0.21	1.07	0.10	2.1	40	585	45	*	.07	.05	.035
2082003	XLUY40W	JVP	2	Yellow	Water clear	T1	0.119/3	0.197	1.063	0.10	1.95	19	590	50	*	.07	.05	.03
206480	LVY2041	JVP	1	Yellow	Yellow transparent	T1	0.119/3	0.17	0.69	0.08	2.3	450	595	30	*	.12	.10	.08
697629	LTL-4231	LTO	1	Green	Green diffused	T1	0.119/3	0.20	1.00	0.10	2.1	3.7	569	40	*	.12	.10	.08
333201	LG12340	JVP	1	Green	Green diffused	T1	0.119/3	0.13	0.98	0.10	1.7	9.6	565	112	*	.12	.10	.08
253631	HLMP-1503	FSC	1	Green	Green diffused	T1	0.119/3	0.19	1.00	0.10	2.1	1	565	60	*	.12	.10	.08
156930	LT0321-41-HE	JVP	1	Green	Green diffused	T1	0.118/3	0.16	0.88	0.10	2.1	32	567	56	*	.15	.12	.10
2123206	L354GD-H302	AMR	4	Green	Green diffused	T1	0.114/3	0.29	0.18	0.10	2.1	12.5	565	60	*	.10	.07	.05
211086	LTL-4231N-Q22	LTO	2	Green	Green diffused	T1	0.119/3	0.13	1.10	0.10	2.1	12.6	565	40	*	.10	.07	.05
697637	LTL-4231N	LTO	2	Green	Green diffused	T1	0.118/3	0.175	1.00	0.10	2.1	12.6	565	60	*	.12	.10	.08
34606	LSG2040*	JVP	1	Green	Green diffused (XC209G)	T1	0.119/3	0.13	1.05	0.08	2.2	15	560	50	*	.15	.12	.10
2155233	BVL-360GID	JVP	2	Green	Green diffused	T1	0.119/3	0.13	1.00	0.10	2.3	18	573	55	*	.12	.10	.08
175679	LVG2041	JVP	1	Green	Green transparent	T1	0.119/3	0.17	0.69	0.08	2.2	129	565	30	*	.15	.12	.10
333315	MV7441-JV	JVP	1	Green	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	120	565	40	*	.07	.05	.035
114681	LVG2043*	JVP	1	Green	Water clear (BG209)	T1	0.119/3	0.14	0.98	0.07	2.2	129	565	30	*	.12	.10	.08
137411	LVB2040	JVP	1	Blue	Blue diffused	T1	0.119/3	0.21	0.98	0.10	3.5	10	430	50	*	.89	.79	.69
333383	UT63B1-41-M1A2	JVP	2	Blue	Blue diffused	T1	0.119/3	0.17	0.98	0.10	3.8	50	466	54	*	.49	.45	.35
333973	UT1871-81-M1	JVP	1	Red	Red diffused	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	75	660	25	*	.12	.10	.08
242844	LT1811-81	JVP	1	Red	Red diffused	T1 ¾	0.197/5	0.30	0.88	0.10	2.1	4.1	700	44	*	.12	.10	.08
2125309	LS5469FH	SIE	1	Super Red	Red diffused	T1 ¾	0.20/5.1	0.31	1.10	0.10	1.8	5	635	50	*	.09	.08	.07
253753	HLMP-3301	FSC	1	Red	Red diffused	T1 ¾	0.197/5	0.36	1.00	0.10	2.4	5.4	635	60	*	.19	.17	.12
302033	LT1814-81	JVP	1	Red	Red clear	T1 ¾	0.197/5	0.34	0.88	0.10	2.1	10	650	10	*	.08	.06	.04
333489	LUR3330/HO/A	JVP	1	Red	Red diffused	T1 ¾	0.197/5	0.34	0.98	0.10	1.5	380	660	40	*	.19	.15	.12
94511	LH3330	JVP	1	Red	Red diffused (XC556RB)	T1 ¾	0.197/5	0.31	0.81	0.08	2.3	3	697	36	*	.15	.12	.10
104248	LA93B/H-1*	JVP	6	Red	Red diffused (XC410R)	T1 ¾	0.197/5	0.35	0.89	0.08	2.3	6.5	697	46	*	.25	.21	.19
34690	LFH3360*	JVP	1	Red	Red diff. blinking (XC5410) ²	T1 ¾	0.197/5	0.30	0.94	0.07	3-12	2.8	697	—	*	.39	.35	.29
253817	HLMP-4700	FSC	1	Red	Red diffused	T1 ¾	0.197/5	0.35	1.10	0.08	1.8	2.0	635	50	*	.10	.08	.06
2159681	552-0211-802	DIA	7	Red	Red diffused (dual)	T1 ¾	0.197/5	0.34	0.98	0.10	2.2	7.0	650	50	*	.69	.59	.49
2155399	LTL-4268-H4	LTO	2	Red	Water clear	T1 ¾	0.197/5	0.34	1.00	0.10	1.8	270	638	16	*	.15	.12	.10
334378	UT1841R-81	JVP	1	Hi-eff Red	Red diffused	T1 ¾	0.197/5	0.34	0.98	0.10	2.1	23.1	630	44	*	.10	.08	.06

*10 pcs./**100 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 31 ¹ Reverse polarity to change color ² Volt. shown is operating volt. range; no current limiting resistor required

* AMR = American Opto | DIA = Dialight | FSC = Fairchild | JVP = Jameco ValuePro | LTO = Lite On | SIE = Siemens | SLD = Sunled Corp. | UNI = Unity Opto

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



Standard-Output LEDs (Continued)

See pages 19 & 31 for LED Mounting Hardware

★ Web Code: FAF

* Order in multiples of 10

Part No.	Product No.	Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing			
								A"	B"						1	10	100	1000
697602	LTL-4223R	LTO	1	Hi-eff Red	Red diffused	T1 ¼	0.197/5	0.34	1.00	0.10	2.0	19	635	36	*	\$.12	\$.10	\$.075
697522	LTL-307E	LTO	2	Hi-eff Red	Red diffused	T1 ¼	0.197/5	0.34	0.90	0.10	2.0	19	635	50	*	.12	.10	.08
2006692	LTL-10224WHCR	LTO	8	Hi-eff Red	Red diffused w/ plastic case	T1 ¼	0.197/5	0.44	0.49	0.10	2.0	60	635	30	*	.06	.04	.025
790081	LTL-10223WR	LTO	2	Hi-eff Red	Red diffused, flangeless	T1 ¼	0.187/4.75	0.283	1.00	0.10	2.0	60	623	60	*	.12	.09	.07
2006730	LTL-307E-3**	LTO	1	Hi-eff Red	Red diffused, flanged	T1 ¼	0.197/5	0.34	0.87	0.10	2.0	12.6	623	40	*	.09	.07	.05
697611	LTL-4224R	LTO	1	Hi-eff Red	Red transparent	T1 ¼	0.197/5	0.34	1.00	0.10	2.0	90	635	16	*	.08	.06	.04
697573	LTL-4213R	LTO	1	Bright Red	Red diffused	T1 ¼	0.197/5	0.34	1.00	0.10	2.1	3.7	657	36	*	.08	.06	.04
790225	LTL-307P	LTO	2	Bright Red	Red diffused	T1 ¼	0.197/5	0.34	0.90	0.10	2.1	5.6	657	50	*	.10	.08	.06
1109260	TLUV5300R	VSH	3	Red/Green	White diffused bi-color/bi-state ¹	T1 ¼	0.197/5	0.30	1.00	0.10	3.0	2.5	630/565	60	*	.15	.12	.09
334182	LGH3362R	JVP	1	Red/Green	White diff. bi-color/solid state ¹	T1 ¼	0.197/5	0.34	0.98	0.10	1.7	1.2/4.5	697/565	30	*	.19	.17	.15
34673	LHG3392R	JVP	3	Red/Green	White diff. bi-color/tri-state	T1 ¼	0.197/5	0.30	1.02	0.03	2.3	3 & 12	697/565	70	*	.19	.15	.12
1554831	HLMP-4000R	AVT	3	Hi-eff Red/Gm	White diffused, bi-color	T1 ¼	0.2/5.08	0.36	1.00	0.10	1.9/2.2	2.1/4.2	635/568	65	*	.12	.10	.08
697557	LTL-30EFJR	LTO	3	Bright Red/Gm	White diffused, bi-color	T1 ¼	0.197/5	0.41	0.945	0.10	2.1/2.1	5.6/19	697/565	30	.35	.29	.25	.19
34711	LEG3362R	JVP	1	Orange/Gm	White diffused bi-color/bi-state ¹	T1 ¼	0.197/5	0.30	1.01	0.09	1.7	4.5	635/565	30	*	.19	.15	.12
152857	LT1841R-81-R	JVP	1	Orange Red	Red diffused	T1 ¼	0.197/5	0.34	0.89	0.10	2.1	23.1	630	45	*	.10	.08	.06
210825	BVL-5M10N1	BVO	2	Orange Red	Red diffused	T1 ¼	0.197/5	0.30	1.00	0.10	2.1	465	615	30	*	.08	.07	.05
107393	LE3330R	JVP	1	Orange Red	Orange diffused (XC556A)	T1 ¼	0.197/5	0.30	1.02	0.08	2.3	24	635	36	*	.10	.08	.06
2155268	BVL-501EIDR	JVP	2	Orange Red	Orange diffused	T1 ¼	0.197/5	0.30	1.00	0.10	2.1	50	622	25	*	.12	.10	.08
697696	LTL-4253R	LTO	1	Yellow	Yellow diffused	T1 ¼	0.197/5	0.34	1.00	0.10	2.1	19	585	36	*	.12	.10	.08
334108	UT1831-81-S	JVP	1	Yellow	Yellow diffused	T1 ¼	0.197/5	0.34	0.98	0.10	2.1	90	590	10	*	.12	.10	.08
333622	LHY3330/HO	JVP	1	Yellow	Yellow diffused	T1 ¼	0.197/5	0.34	0.98	0.10	1.7	350	595	40	*	.15	.12	.10
2125288	LY5469FH	SIE	1	Yellow	Yellow diffused	T1 ¼	0.20/5.1	0.31	1.10	0.10	2.0	5	586	50	*	.08	.06	.05
697549	LTL-307YR	LTO	2	Yellow	Yellow diffused	T1 ¼	0.197/5	0.34	0.90	0.10	2.1	29	585	50	*	.12	.10	.08
34825	LY3330R	JVP	1	Yellow	Yellow diffused (XC556Y)	T1 ¼	0.197/5	0.30	0.82	0.07	2.3	12	585	36	*	.15	.12	.10
2135339	550-0307	DIA	6	Yellow	Yellow tinted	T1 ¼	0.197/5	0.45	0.15	0.10	2.1	12.3	585	60	*	.15	.12	.09
2135552	550-1206	DIA	6	Yellow	Yellow diffused	T1 ¼	0.197/5	0.55	0.15	0.10	1.9	1.8	583	50	*	.15	.12	.10
104264	LA93B/Y-1R	JVP	6	Yellow	Yellow diffused (XC410Y)	T1 ¼	0.197/5	0.35	0.89	0.08	2.3	25	585	46	.29	.25	.19	.15
1995927	LTL-10253R	LTO	1	Yellow	Yellow diffused, flanged	T1 ¼	0.187/4.75	0.283	1.00	0.10	2.1	12.6	585	60	*	.06	.05	.04
697653	LTL-4233R	LTO	1	Green	Green diffused	T1 ¼	0.197/5	0.40	1.00	0.10	2.1	19	565	36	*	.12	.10	.08
693901	MCDL-5013GDR	MCD	1	Green	Green diffused	T1 ¼	0.197/5	0.34	1.04	0.10	2.1	12.5	565	60	*	.08	.06	.05
697531	LTL-307GR	LTO	1	Green	Green diffused	T1 ¼	0.197/5	0.34	1.00	0.10	2.1	19	565	50	*	.12	.10	.08
152822	LT1821-81-HE	JVP	1	Green	Green diffused	T1 ¼	0.197/5	0.34	0.89	0.10	2.1	50	567	41	*	.19	.15	.12
2125296	LG5469FH	SIE	1	Green	Green diffused	T1 ¼	0.20/5.1	0.31	1.10	0.10	1.9	5	565	50	*	.10	.08	.06
253833	HLMP-4740	FSC	1	Green	Green diffused	T1 ¼	0.197/5	0.36	1.00	0.10	2.2	2.3	565	50	*	.12	.10	.08
334086	LG13740R	JVP	1	Green	Green diffused	T1 ¼	0.197/5	0.34	0.98	0.10	1.7	20	565	68	*	.10	.08	.06
34761	LG3330R	JVP	1	Green	Green diffused (XC556G)	T1 ¼	0.197/5	0.31	0.79	0.09	2.3	30	565	36	*	.15	.12	.10
104256	LA93B/G-1R	JVP	6	Green	Green diffused (XC410G)	T1 ¼	0.197/5	0.35	0.89	0.08	2.3	30	565	46	*	.17	.14	.10
2126571	BR-B2134-12V	BRT	1	Green	Green diffused	T1 ¼	0.197/5	0.30	1.04	0.10	12	80	568	35	*	.12	.10	.08
697661	LTL4234R	LTO	1	Green	Green transparent	T1 ¼	0.197/5	0.34	1.00	0.10	2.1	60	565	16	*	.08	.06	.04
11359	LG3333R	JVP	1	Green	Water clear (BG5704)	T1 ¼	0.197/5	0.30	1.04	0.07	2.3	150	565	20	*	.08	.07	.05
333227	LG13530R	JVP	2	Hi-eff green	Green diffused (flangeless)	T1 ¼	0.197/5	0.34	0.98	0.10	1.7	25	565	36	*	.10	.08	.06
2133641	LT641G1HR-H206	JVP	7	Green/Red	Green/Red diffused (dual)	T1 ¼	0.197/5	0.49	0.24	0.10	2.1	28/40	567/635	38	.65	.49	.39	.29
2159672	552-0223-802	DIA	7	Green/Yellow	Green/Yellow diffused (dual)	T1 ¼	0.197/5	0.49	0.24	0.10	2.1	10/6.3	563/585	65/50	.69	.59	.49	.39
138691	LVB3330R	JVP	1	Blue	Blue diffused	T1 ¼	0.197/5	0.34	0.98	0.10	4.8	10	430	36	.99	.89	.75	.69
2006764	LTL-2R3CBD3R	LTO	1	Blue	Blue diffused, flanged	T1 ¼	0.197/5	0.34	0.87	0.10	3.5	50	468	45	.69	.65	.55	.45
2133421	SSL-LX5093SWC/A	LUM	1	White	Water clear	T1 ¼	0.197/5	0.30	1.00	0.10	3.6	200	—	16	.89	.79	.69	.59
138683	LHR3630R	JVP	2	Red	Red diffused	10mm	0.394/10	0.40	1.04	0.10	2.0	200	660	32	.25	.22	.17	.12
2152112	MCDL-833SEDR	JVP	2	Hi-eff red	Red diffused	10mm	0.394/10	0.43	1.00	0.1	2.0	35	635	60	.59	.55	.49	.39
2152139	MCDL-833ED-E-610R	JVP	2	Orange	Orange diffused	10mm	0.394/10	0.43	1.00	0.1	2.0	25	610	60	.45	.39	.35	.29
2152121	MCDL-833SYDR	JVP	2	Yellow	Yellow diffused	10mm	0.394/10	0.43	1.00	0.1	2.0	35	590	60	.59	.55	.49	.39
2152104	MCDL-833SGDR	JVP	2	Green	Green diffused	10mm	0.394/10	0.43	1.00	0.1	2.2	50	570	60	.59	.55	.49	.39
98984	LVG3630R	JVP	1	Green	Green diffused	10mm	0.394/10	0.40	1.07	0.08	2.3	40	565	32	.49	.45	.39	.29
2152147	MCDL-833SBD	JVP	2	Blue	Blue diffused	10mm	0.394/10	0.43	1.00	0.1	4.2	20	430	60	1.49	1.35	1.19	.99
104889	LEG5292	JVP	9	Orange/Gm	White diff. bi-color rectangular	2x5mm	—	0.27	1.02	0.08	2.3	6/6	635/565	116	.22	.19	.15	.12
790356	LTL-433GR	LTO	9	Green	Green diffused, rectangular	2x5mm	—	0.30	1.00	0.10	2.1	3.7	565	140	*	.12	.10	.08
2133464	SSL-3353SYD	LUM	10	Yellow	Yellow diffused, square	3x3mm	0.119/3	0.18	1.00	0.10	2.5	100	590	80	*	.08	.06	.04

*10 pcs. **100 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 31 ¹ Reverse polarity to change color

* AVT = Avago | BRT = Bright LED | BVO = BV Optotech | DIA = Dialight | FSC = Fairchild Semi | JVP = ValuePro | LTO = Lite On | LUM = Lumex | MCD = MCD Elec. | SIE = Siemens | VSH = Vishay

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

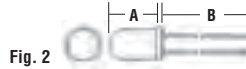
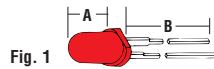


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Medium-Output LEDs



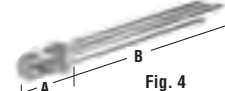
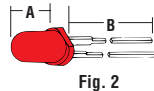
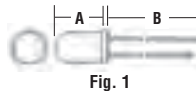
* Web Code: MBW

* Order in multiples of 10

Part No.	Product No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing			
								A"	B"						1	10	100	1000
156954	UT0373-41	JVP	1	Red Super Bright	Water clear	T1	0.119/3	0.16	0.94	0.10	1.8	100	660	36	*	\$.19	\$.15	\$.12
333340	LHE2643	JVP	1	Orange	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	700	620	40	*	.17	.12	.10
2133632	LT033N-41-UR91	JVP	1	Yellow	Water clear	T1	0.119/3	0.20	0.89	0.10	1.9	700	589	35	*	.07	.05	.04
333307	LUY2643-1	JVP	1	Yellow	Water clear	T1	0.197/5	0.13	0.98	0.10	1.7	900	595	40	.35	.29	.25	.19
98968	QLMP-LB98	AVT	2	Blue	Blue clear (oval)	T1	0.119/3	0.28	0.94	0.10	3.2	550	470	70	.49	.39	.35	.25
334749	UT63B3-41-UR33	JVP	1	Blue	Water clear	T1	0.119/3	0.17	0.94	0.10	3.2	900	470	45	.79	.69	.59	.49
2115688	NSPB346BST	NCH	2	Blue	Blue diffused (oval)	T1	0.119/3	0.28	0.94	0.10	3.6	720	470	30	.49	.39	.35	.25
334764	LWK2043	JVP	1	White	Water clear	T1	0.119/3	0.17	0.98	0.10	3.5	900	—	30	.99	.89	.75	.65
333497	LSR13233	JVP	1	Red	Water clear	T1 3/4	0.197/5	0.30	0.98	0.10	1.5	720	660	18	*	.19	.15	.12
1995978	LTL-353CKRH4	LTO	2	Red	Water clear	T1 3/4	0.197/5	0.30	0.91	0.10	1.8	1000	660	12	*	.08	.06	.04
206519	LHR3331	JVP	1	Red	Red transparent	T1 3/4	0.197/5	0.30	0.98	0.10	1.5	900	550	20	*	.19	.15	.12
152864	BUV501SR4	JVP	1	Red Super Bright	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9	600	660	20	*	.12	.08	.06
351089	MCDL-517URD-F	JVP	1	Super Red	Red diffused blinking	T1 3/4	0.197/5	0.30	1.00	0.10	1.8	500	660	120	.59	.49	.39	.35
203553	HLMP-4100	AGT	1	Orange Red	Water clear	T1 3/4	0.197/5	0.45	0.90	0.10	1.8	750	642	8	*	.06	.05	.03
152792	LT1833-81- M1	JVP	1	Yellow	Water clear	T1 3/4	0.197/5	0.30	0.95	0.10	2.1	1040	593	19	.25	.22	.17	.14
206501	LVY3331	JVP	1	Yellow	Yellow transparent	T1 3/4	0.197/5	0.30	1.02	0.10	1.7	1500	595	20	*	.17	.12	.10
153154	LVG3333	JVP	1	Green	Water clear (HLMP-8509)	T1 3/4	0.197/5	0.30	1.02	0.10	2.3	500	565	20	*	.12	.10	.08
156962	LT1823-81-HE	JVP	2	Green	Water clear	T1 3/4	0.197/5	0.30	1.00	0.10	2.1	500	567	19	*	.19	.15	.12
333551	LVG13233	JVP	1	Green	Water clear	T1 3/4	0.197/5	0.30	0.98	0.10	1.7	600	565	18	*	.17	.12	.10
2135267	TLHB-5100	VSH	1	Blue	Water clear	T1 3/4	0.197/5	0.30	0.90	0.10	3.9	250	466	9	.59	.49	.39	.29
134333	383UBC/H2	JVP	1	Blue	Water clear	T1 3/4	0.197/5	0.30	1.00	0.10	3.8	630	428	30	.89	.79	.69	.59
334465	LDBK3331/H0	JVP	1	Blue	Blue transparent	T1 3/4	0.197/5	0.30	0.98	0.10	3.5	900	470	26	.89	.79	.65	.59
2133659	LT12W3-4D-UDE3-WD	JVP	3	White	Water clear	T1 3/4	0.181/4.6	0.30	1.00	0.10	3.2	850	—	100	.89	.79	.69	.59
2129625	LDUV3333	JVP	1	Purple	Water clear	T1 3/4	0.197/5	0.30	1.00	0.10	3.0	450	400	20	1.25	1.15	.99	.85
2152155	MCDL-833URD-U12	JVP	2	Super Red	Red diffused	10mm	0.394/10	0.43	1.00	0.10	1.8	600	660	60	.69	.65	.59	.49

High-Output LEDs

* Typical DC forward current 20mA



* Web Code: RBJ

* Order in multiples of 10

Part No.	Product No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing			
								A"	B"						1	10	100	1000
98950	QLMP-LM98	AVT	1	Green	Green clear (oval)	T1	0.119/3	0.28	0.94	0.10	3.2	2400	525	70	*	\$.19	\$.15	\$.12
2168421	3MMLED-BLUE	JVP	2	Blue	Blue diffused	T1	0.119/3	0.15	0.69	0.10	3.4	5000	465	120	*	.19	.15	.12
2169846	3MMLED-GREEN	JVP	2	Green	Green diffused	T1	0.119/3	0.15	0.69	0.10	3.4	5000	520	120	*	.19	.15	.12
217525	MCDPW-3004C	JVP	1	White	Water clear	T1	0.119/3	0.14	1.00	0.10	3.8	3000	—	30	1.39	1.25	1.09	.99
2138855	LUW30243	WEN	1	White	Water clear	T1	0.119/3	0.17	1.00	0.10	3.2	4000	—	25	1.19	1.09	.95	.79
2138863	LUE30243	WEN	1	Super Red	Water clear	T1	0.119/3	0.17	1.00	0.10	2.0	3000	625	15	.39	.35	.29	.25
197641	BVT-529T8E	JVP	1	Yellow	Yellow clear (oval)	T1 1/2	0.178/4.5	0.29	0.96	0.08	2.3	3600	592	45	.49	.45	.35	.29
2125413	TLHK5800	VSH	1	Red	Water clear	T1 3/4	0.197/5	0.30	0.90	0.10	1.9	2500	630	4	*	.19	.17	.15
334423	UT9C13-86-UDC2	JVP	2	Red	Water clear	T1 3/4	0.197/5	0.30	1.00	0.10	1.9	2700	630	18	.25	.19	.17	.15
333526	LUR3833	JVP	2	Red	Water clear	T1 3/4	0.197/5	0.30	1.02	0.10	1.5	2700	660	12	.25	.21	.19	.16
1586189	UT1813-83-UJJEI	JVP	2	Red	Water clear	T1 3/4	0.197/5	0.30	1.00	0.10	2.1	5500	632	25	.39	.35	.29	.19
1584917	HLMP-EG08-Y2000	AVT	2	Red	Red untinted/non-diffused	T1 3/4	0.197/5	0.30	0.94	0.10	1.9	9300	635	6	.49	.39	.35	.29
333447	UT1873-81-UR-P22R	JVP	1	Super Red	Water clear	T1 3/4	0.197/5	0.30	0.89	0.10	1.9	1600	660	25	.29	.25	.22	.19
2095171	RL50-PR543	JVP	1	Ult. Bright Red	Water clear	T1 3/4	0.197/5	0.30	1.02	0.10	1.7	8000	635	20	.39	.29	.19	.15
334482	UT1813-86-UC9T-P27	JVP	2	Ult. Bright Red	Water clear	T1 3/4	0.197/5	0.30	0.89	0.10	2.2	3500	630	15	.45	.39	.29	.25
2006799	LTL-2R3VYKNT	LTO	2	Orange	Water clear, flanged	T1 3/4	0.197/5	0.30	0.87	0.10	2.0	1300	595	30	*	.10	.08	.06
333649	LHE3333	JVP	2	Orange	Water clear	T1 3/4	0.197/5	0.30	0.98	0.10	1.7	1800	620	20	*	.15	.10	.08
333657	LUE3333	JVP	1	Orange	Water clear	T1 3/4	0.197/5	0.30	0.98	0.10	1.7	3400	620	20	.35	.29	.19	.17
333673	LUE3833	JVP	1	Orange	Water clear	T1 3/4	0.197/5	0.30	0.98	0.10	1.7	5000	620	12	.39	.35	.25	.22
333614	LUY3833H	JVP	2	Yellow	Water clear	T1 3/4	0.197/5	0.30	0.98	0.10	1.7	5000	590	12	.39	.35	.25	.22
333569	LVY3333/A*	JVP	2	Yellow	Water clear	T1 3/4	0.197/5	0.30	0.98	0.10	1.7	2500	590	20	*	.17	.15	.12
2095189	RL50-PY543	JVP	1	Ultra Yellow	Water clear	T1 3/4	0.197/5	0.30	1.02	0.10	1.7	8000	595	20	.39	.29	.19	.15
2006772	LTL-2H3VYKNT1	LTO	2	Amber/Yellow	Water clear, flanged	T1 3/4	0.197/5	0.30	0.87	0.10	2.0	3400	595	15	*	.12	.10	.07
2167251	MCDL-5013BGC-TL	JVP	1	Green/Blue	Water clear	T1 3/4	0.197/5	0.30	0.96	0.10	3.2	11000	510	30	.99	.89	.79	.65
334473	LDGL3333/H0	JVP	2	Green	Water clear	T1 3/4	0.197/5	0.30	0.98	0.10	3.5	3400	505	22	.75	.65	.55	.45
1586197	UT4J23-4D-UBC2-S11	JVP	2	Green	Water clear	T1 3/4	0.197/5	0.28	0.94	0.10	3.0	2500	500	28	.45	.39	.35	.29
2077079	HLMP-CM39-UVCDD	AGT	1	Green	Untinted/non-diffused	T1 3/4	0.197/5	0.30	0.90	0.10	3.2	5000	535	30	.49	.45	.39	.35

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 31

Continued on next page

* AGT = Agilent | AVT = Avago Technology | JVP = Jameco ValuePro | LTO = Lite-On | NCH = Nichia | VSH = Vishay | WEN = Wenrun Opto

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

High-Output, Surface Mount LEDs & LED Drivers

High-Output LEDs (Continued)

Figure images on previous page

★ Web Code: **RBJ**

* Order in multiples of 10

Part No.	Product No.	Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing			
								A"	B"						1	10	100	1000
183222	MCDL-5013UBC-TL	JVP	2	Blue	Water clear	T1 ¾	0.197/5	0.30	0.94	0.10	3.5	6000	470	18	\$1.39	\$1.25	\$1.09	\$.99
334502	LWK3333	JVP	2	White	Water clear	T1 ¾	0.197/5	0.30	0.94	0.10	3.5	5000	—	16	.89	.79	.65	.59
334773	UT18W3-86-UAF1-P22	JVP	2	White	Water clear	T1 ¾	0.197/5	0.30	0.94	0.10	3.6	2900	—	25	.89	.79	.65	.55
142894	BVU-5E1WK4-B	JVP	2	White	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	3.5	3700	—	15	1.49	1.35	1.19	1.05
320531	MCDL-5013UWC	JVP	2	White	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	3.8	5000	—	15	.99	.89	.75	.65
2077061	EM-503QWC-R12	JVP	1	White	Water clear	T1 ¾	0.197/5	0.30	1.04	0.10	4.5	5000	—	25	.99	.89	.75	.65
2115493	UT5HW3-4D-URC3-4861-R	JVP	2	White	Water clear	T1 ¾	0.197/5	0.30	0.95	0.10	4.0	7000	—	30	1.19	1.09	.95	.79
2160067	MVL-514SW-T	UNI	1	White	Water clear	T1 ¾	0.197/5	0.30	1.04	0.10	3.2	7000	—	30	1.39	1.25	1.15	.99
2144753	TLWB7600	VSH	3	Blue	Water clear (7.62mm sq.)	2mm dome	0.079/2	0.30	0.30	0.20	4.3	2000	470	30	.59	.49	.39	.25
2005702	LTL912VEKSA	LTO	3	Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.15	1200	632	50	✱	.12	.10	.08
2005729	LTL914SYKS	LTO	3	Amber	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.5	2000	596	30	.29	.25	.19	.15
404603	MCDL-1860UGC-TL	JVP	3	Green	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	525	75	.59	.49	.39	.29
404591	MCDL-1860UBC-15C	JVP	3	Blue	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	2500	470	75	1.39	1.25	1.15	.99
664341	MCDL-1870UWC-15C	JVP	3	White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	6500	—	40	1.69	1.55	1.39	1.29
404582	MCDL-1860UWC-15C	JVP	3	Ultra White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	—	75	1.59	1.45	1.19	1.09

Optos

JAMECO ValuePro RGB High-Output LEDs

Figure images on previous page

★ Web Code: **RKK**

Part No.	Cross Ref. No.	Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing			
								A"	B"						1	10	100	1000
2125181	MCDL-5T8R6G5B6C	JVP	4	Red/Green/Blue	Water clear	T1 ¾	0.197/5	0.34	1.11	0.028	2.25/3.5/3.5	3500/4000/2000	624/525/470	20	\$1.95	\$1.75	\$1.59	\$1.39
2128500	MCDL-5013RGBC-TL-A	JVP	4	Red/Green/Blue	Water clear	T1 ¾	0.197/5	0.30	0.78	0.05	2.0/3.5/3.5	3000/5000/1000	628/525/470	25	1.95	1.75	1.59	1.39
2157271	MCDL-5013RGBW-B	JVP	1	Red/Green/Blue	Diffused	T1 ¾	0.197/5	0.30	1.00	0.10	2.3/3.5/3.5	300/300/300	630/525/470	40	1.49	1.35	1.19	1.09
2152163	MCDL-833RGBW-B	JVP	1	Red/Green/Blue	Diffused	10mm	0.394/10	0.43	1.00	0.10	5.0/5.0/5.0	700/800/400	625/525/470	20	1.79	1.59	1.39	1.19

2125181: Common Cathode; 2128500: Common Anode ↑ Auto blink/color change function

JAMECO ValuePro LITEON Standard & Ultra-Bright Surface Mount LEDs

★ Web Code: **LMS**

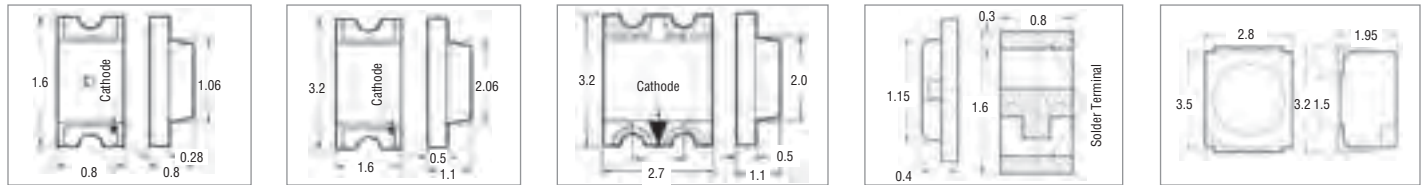


Fig. 1 - 0603

Fig. 2 - 1206

Fig. 3 - 1210

Fig. 4 - 0603 Super Thin

Fig. 5 - PLCC-2

* Order in multiples of 10

Part No.	Product No.	Mfr.	Fig.	Emitting Color	Lens/Feature Description	Typical Vf (V)	If Max. (mA)	Iv Typical mcd @ mA	Peak Wavelength (nm)	Viewing Angle (2x Theta)	Pricing			
											1	10	100	1000
1260365	LTST-C190EKT	LTO	1	Red Orange	Water clear	2.0	30	6 @ 10	630	130	✱	\$.05	\$.02	\$.01
1260357	LTST-C190CKT	LTO	1	Red	Water clear	1.8	40	10 @ 10	660	130	✱	.05	.04	.025
697733	LTST-C150CKT	LTO	2	Red	Water clear	1.8	40	25 @ 20	660	130	✱	.12	.10	.08
1996111	LTST-C150YKT	LTO	2	Yellow	Water clear	2.1	20	6 @ 10	585	130	✱	.08	.07	.05
697741	LTST-C150GKT	LTO	2	Green	Water clear	2.1	30	6 @ 10	565	130	✱	.10	.08	.07
2039902	LTST-C150FKT*	LTO	2	Green	Water clear	2.1	20	14.2 @ 20	565	130	✱	.10	.08	.06
2047945	LTST-C191TBKT	LTO	3	Blue	Water clear	3.8	20	112 @ 20	468	130	✱	.15	.10	.08
2121703	LTST-C192TBKT	LTO	1	Blue	Water clear	3.8	20	40 @ 20	468	130	✱	.29	.25	.19
2033164	LTW-193TS5	LTO	4	White	Water clear	3.15	20	112 @ 5	—	130	✱	.19	.15	.12
658347	MSL-204MW	UNI	5	White	Water clear	3.5	20	400 @ 20	—	120	.69	.59	.49	.39
334756	UT5KW3-AA-UAE3-SA8	JVP	5	White	Water clear	3.2	20	750 @ 20	—	120	.75	.65	.55	.45

* Ultra-bright AlInGaP surface mount LED

Power LED Driver Module

- Delivers accurate constant current required by most high power LEDs
- Input voltage: 6-12VAC/9-18VDC • Power consumption: 650mA max.
- High efficiency due to switch mode principle
- Size: 1.8"L x 1.2"W x 0.64"H • Short-circuit protected
- Built-in rectifier for easy connection to AC source
- Also suited as fixed current NiCd/NiMH battery charge circuit
- Constant current source: 350mA or 700mA



Part No.	Mfr. Part No.	Description	1	5
2006932	K8071	1-watt/3-watt module kit	\$14.95	\$13.95

3 & 10W Constant Current LED Drivers

- Type: AC - DC • Input volt.: 100-240VAC @ 50-60Hz
- 3-watt LED drivers can drive 2 to 8 1-watt LEDs or 1 to 3 3-watt LEDs • Operating temp. range: -20°C to 40°C
- 10-watt LED drivers can drive 3 to 8 1-watt LEDs
- UL/CUL/CE approved
- Plug in type, 7 ft. cable w/ 2.1mm x 5.5mm center positive plug



Part No.	Mfr. Part No.	Description	Output Volt./Curr.	1	5
2006887	LD-PI7021AF	3-watt LED driver	3-21VDC @ 700mA	\$18.95	\$16.95
2006879	LD-PI3536AF	10-watt LED driver	3-36VDC @ 350mA	17.95	15.95

* JVP = Jameco ValuePro | LTO = Lite-On | UNI = Unity Opto Technology | VSH = Vishay

* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

High Power LEDs & Modules

3 LEVELS OF SAVINGS
NAME BRANDS HOUSE BRANDS FACTORY OVERRUN

LIGITEK MCD High Power LEDs with Heat Sink

- Superior high-flux output and high luminance
- ESD protection
- Lambertian or 'High Dome' LED has a high hemispherical dome with a wider 140° viewing angle
- High dome series projects a wider and clearer light beam

*Web Code: HPL



Part No.	Mfr.	Mfr. Part No.	Power (W)	Color	Volt. @ Curr. (Vf @ If)	Luminous Flux (lm)	Viewing Angle (°)	Pricing		
								1	10	25
2006895	Ligitek	L-HP1PW	1	White	3.2 @ 0.35A	40	90	\$5.95	\$5.25	\$4.75
2096843	MCD	MCDL-L20-350HPCWS	1	White	3.2 @ 0.35A	90	140	5.49	4.95	4.49
2096851	MCD	MCDL-L20-350HPWWS	1	Warm white	3.2 @ 0.35A	86	140	5.49	4.95	4.49
2006908	Ligitek	L-HP3PW	3	White	3.2 @ 1A	120	90	7.95	6.95	6.25

† Represents Star form factor with heat sink

JKL Low Profile LED Strips

- Dual connection design allows for mounting several together
- Solid line of linear illumination
- Mount on heat sink for optimal heat dissipation
- Current: 350mA
- Easy screw installation

Part No.	Mfr. Part No.	Color	Vf (typ.)	Lumens	Size (L" x W")	1	5	25
2153166	ZLP-42-5CW	Cool white	3.4V	100	1.6 x 0.4	\$5.95	\$5.49	\$4.95
2153174	ZLP-90-12WW	Warm white	10.2V	230	3.4 x 0.5	15.95	14.95	13.95

JAMECO ValuePro Water Clear Lens RGB LEDs

*Web Code: RKK

Now you can have red, green, and blue (RGB) colors from one single LED that provides high radiant power and intensity.

Complete selection of LEDs on pages 20-25

- LED size: T1 1/4 (5mm)
- Lens color: water clear
- 4 lead connection
- Can be color-mixed with PWM output to create virtually any color

Part No.	Cross Ref. No.	Type	1	10	100
2125181	MCDL-5T8R6G5B6C	Common cathode	\$1.95	\$1.75	\$1.59
2128500	MCDL-5013RGBCL-TL-A	Common anode	1.95	1.75	1.59

BlinkM Programmable Smart LEDs



Prototyping, experimenting and hacking with light is easier than ever with smart LEDs from ThingM. Choose virtually any color, fade between two colors, or make your own blinking sequence with open source software, then install it into your project and illuminate! No knowledge of programming or electronics required.

2123645/2123637/2123653: 24-bit, 4-pin I²C interface

*Web Code: SLS

Part No.	Mfr. P/N	Description	1	5
2123629	LinkM	USB programmer, 4-pin 0.1" I ² C, driverless	\$29.95	\$27.95
2123645	MiniM	6000 mcd, 120° FOV, 3.6-5V op. volt, 60mA max	13.49	11.95
2123637	BlinkM	8000 mcd, 140° FOV, 3.6-5V op. volt, 60mA max	13.95	12.95
2123653	MaxM	445,000 mcd, 30° FOV, 5-24V op. volt, 3A max	24.95	23.49

JKL 12V Festoon LED

- Voltage and current: LE-0603-02; ±12VDC @ 20mA; LE-0603-04; ±24VDC @ 12mA
- Low heat
- Low power consumption with high intensity
- Scratch and shock resistant glass encapsulated
- Size: 43mm (1.7") L x 10.5mm (0.41") Dia.

*Web Code: FES



Shown with Socket (sold separately)

Lamp

Part No.	Mfr. Part No.	Voltage @ Current	Color	Lumens	1	10	50
2113261	LE-0603-02W	12VDC @ 20mA	White	10.0	\$4.95	\$4.49	\$3.95

Socket

Part No.	Mfr. Part No.	Description	1	10	50
2113367	2910F-47	Socket	\$0.69	\$0.59	\$0.55

*LED Light Strips — Enter Web Code BDZ

JKL 12-24V LED Dimmer

Control the brightness of single channel constant voltage LED devices and fixtures operating at 12-24VDC. Dim from 100% full brightness to 20% brightness without flickering. Good for display cases, architectural and cove lighting applications.

- 8 amps maximum load
- Size 2.0"L x 3.0"W
- Operating temperature: 0°F – 140°F

Part No.	Mfr. Part No.	1	5
2153140	ZDM-01	\$16.95	\$14.95



12" Slim Aluminum Light Bar Strips

Equivalent to a standard 40W light bulb!

- Ultra bright LEDs
- Consumes only 5W
- Stylish modern design
- USB mini-B connection
- Operating voltage range: 10-30VDC
- Aluminum bar with glass cover
- Up to 6 bars can be daisy-chained together with P/N 2177635
- Life expectancy: over 50,000 hours

NEW
MARKED IN PINK



Part No	Color	Brightness	1	5
2177571	Cool white	408 lumens	\$29.95	\$26.95
2177580	Warm white	360 lumens	29.95	26.95
Part No	Description		1	10
2177635	6" mini USB connector cord		\$3.95	\$3.49



Ultra Brite LED Modules with Built-In LED Drivers

*Web Code: LEM

An all-in-one solution to your high power LED lighting needs! Connect directly to any 8-30V battery or power supply without the need for an external LED Driver Module. On-board current regulation circuitry allows the module to operate flawlessly without the need of a heat sink. Only at 1" x 1.25" in size, and linkable up to 30 modules!



Part No.	Mfr. Part No.	#Leds	Power	Volt.	Color	Viewing Angle	Im	1	5
2125763	LHA-06B12-N-00	6	150mA	12*	White	120°	87	\$9.95	\$8.95
2113041	LHA-06B30-N-00	6	74mA	8-30	White	120°	87	11.95	10.95
2113076	LHA-06B30-G-00	6	76mA	8-30	Green	120°	65	9.49	8.49

*Unregulated 12V



Xitanium LED Driver Module

Xitanium drivers from Advance deliver solid performance and reliability for 12V lighting system.

- UL and CSA class 2 rated
- Low temperature -40°C
- UL IP66 rated for outdoor use
- High temperature +60°C



Part No.	Description	1	5	25
2120233	12VDC/1A LED driver	\$12.95	\$11.49	\$9.95

JAMECO ValuePro 1" x 1.56" LED Backlight

- IC compatible
- D.C. forward current: 30mA
- Peak wavelength: 567nm @ 20mA
- View angle: 52°
- Forward voltage: (typical) 4.2V @ 20mA; (max) 6.0V @ 20mA
- Luminous intensity: (min) 14.9mcd @ 20mA; (typical) 24.8mcd @ 20mA

Part No.	Cross Ref. No.	LED Material	Emitting Color	Lens Color	1	10	100
302535	LT1F24-A2-S8	GaP	Green	G.C.	\$0.99	\$0.89	\$0.79

LED POWER SUPPLIES

These LED supplies are dependable and durable with the splashproof enclosure design great for both indoor and outdoor applications.

*Web Code: LPP

Part No.	Mfr. P/N	Volt. @ Curr.	Pwr (W)	Enclosure	1	5	25
2102596	LPV-20-12	+12V @ 0-1.67A	20	IP67	\$11.95	\$10.95	\$9.95
2103169	LPV-60-12	+12V @ 0-5A	60	IP67	20.95	19.49	17.49
1954885	CLG-150-24A	+24V @ 0-6.3A	150	IP65	74.95	67.95	62.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

LED Strips, Cables, Infrared Emitters & Detectors



Silicone Sealed Flexible LED Strips

Sealed in silicone gel, this ultra flexible, waterproof, and extra durable super bright LED strip can be bent to any shape and angle to fit your ideal lighting application. For indoor and outdoor use, this can be used to light up signs, cabinets, hallways and much more.

- 96 LEDs on each 37.7" long strip
- Color: white translucent silicone gel casing
- Simple to install and clean
- Power requirement: 12V @ 640mA (recommend P/N 2006887, pg 23)



Part No.	Mfr. Part No.	Color	Brightness (mcd)	Wavelength (nm)	1	5	25
2112698	FS-Blue	Blue	750	427	\$18.95	\$17.95	\$16.95
2112719	FS-White	White	3500	—	27.95	24.95	22.95



Flexible Cable RGB LED Strips

- Great for architectural, interior, hallways, under cabinet lighting & more!
- Can be separate into 3 LED sections for a custom fit.
- RGB controller required to power strip and to change color and lighting mode
- Input voltage 12V @ 3.33A (recommend P/N 1952345, pg 99)

2112647



Part No.	Mfr. Part No.	Description	1	5	25
2112647	VLS5060RGB150-8FT	75 LEDs, 8' LED strip	\$59.95	\$53.95	\$47.95
2155090	VLS50605MRGB-12V	150 LEDs, 16.4' LED strip	64.95	59.95	54.95



Pure White LED SMD Light Ribbon

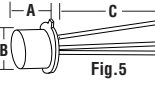
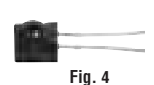
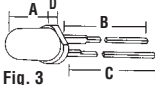
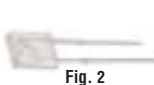
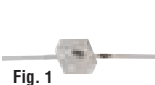
This LED ribbon strip is flexible and super bright! It puts out a brightness of 1300 mcd per LED and contains about 60 LEDs per meter. Designed for use in interior applications, this light strip is flexible enough to install in confined spaces such as pelmets, coffers and coves.

- Self-adhesive backing tape for easy mounting
- About 300 total LEDs • Length: 16.5' (5 meters)
- 120° wide angle beam for easy viewing & even illumination
- Color: pure white
- Designed for interior design applications • 2-wire connection
- Power supply: 12VDC @ 2A (recommend P/N 2006879, pg 23)

Part No.	Mfr. Part No.	Color	1	5	25
2128631	35285M300PW12V	Pure white	\$49.95	\$47.49	\$44.95

Infrared & Visible Light Emitters & Detectors

- Use for remote control and/or for fiber optics



* Order in multiples of 10

Part No.	Product No.	*Mfr.	Fig.	Description	Size	Diameter inch/mm	Dimensions (inches)				Forward Voltage @ Current	Wavelength nm	mWatts	Pricing		
							A	B	C	D				1	10	100
2099403	PS5022	JVP	1	Phototransistor	Dome	0.06/1.7	0.13	0.35	0.35	—	5.0 @ 20mA	880	1	*	\$12	\$10
790057	LTE-302	LTO	2	Infrared emitter diode (GaAs) side look	Dome	0.06/1.5	0.23	0.63	0.63	0.18	1.2 @ 20mA	940	40	*	.17	.12
112150	LIR2043	LIG	3	Infrared emitter diode (GaAs)	T1	0.125/3	0.18	0.95	0.98	0.03	1.2 @ 20mA	940	5	*	.19	.15
372710	UT0383-41-940	JVP	3	Infrared emitter diode (GaAs)	T1	0.125/3	0.16	0.88	0.94	0.04	1.3 @ 50mA	940	13	.29	.25	.19
1950825	L-34F3CS	JVP	3	Infrared emitter diode (GaAs)	T1	0.125/3	0.20	1.00	1.06	0.04	1.2 @ 20mA	940	80	.39	.35	.29
112176	LPT2023	LIG	3	Infrared phototransistor	T1	0.12/3	0.18	0.95	0.98	0.03	30 @ 0.1A	940	100	.39	.35	.29
2125261	TSHA4400	VSH	3	Infrared emitter diode (GaAs) water clear	T1	0.114/2.9	0.13	0.90	1.00	0.04	1.5 @ 100mA	875	20	.25	.19	.15
2120410	RPT-38PB3F	RHM	3	Phototransistor	T1	0.125/3	0.18	0.95	0.98	0.03	5 @ 30mA	800	150	*	.15	.12
1872265	OP505A	OPT	3	Infrared silicon phototransistor	T1	0.125/3.2	0.20	0.50	0.50	0.03	30VBRCEO @100µA	850	100	.79	.69	.59
1950649	BPV22NF(L)	OPT	4	High speed photo diode	T1 3/4	0.195/5	0.24	1.00	1.00	—	1.0 @ 50mA	940	215	.65	.59	.49
2162548	LTE-2871	LTO	3	Infrared emitter diode	T1 3/4	0.197/5	0.29	1.00	1.03	0.03	1.6 @ 20mA	940	90	*	.19	.15
1623349	SFH484-2	SYL	3	Infrared emitter diode	T1 3/4	0.197/5	0.30	0.50	1.14	1.07	1.5 @ 100mA	880	25	.75	.65	.55
372737	UT1883-81-880	JVP	3	Infrared emitter diode (GaAs) water clear	T1 3/4	0.200/5	0.30	0.88	0.94	0.04	1.5 @ 50mA	880	16	.35	.29	.25
1872151	OP290A	OPT	3	Infrared emitter diode	T1 3/4	0.195/5	0.30	0.75	1.00	0.04	4.0 @ 1.5A	890	333	1.09	.99	.89
106526	LVR3333	LIG	3	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.34	0.78	0.84	0.04	1.2 @ 20mA	940	8	*	.19	.15
372762	UT1883-81-940	JVP	3	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.30	0.88	0.94	0.04	1.3 @ 50mA	940	16	.29	.25	.15
1950622	TSHA5502	VSH	3	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.30	0.97	1.04	0.04	1.5 @ 1mA	870	210	.39	.35	.29
373001	UT1893-91-0125	JVP	3	Infrared phototransistor	T1 3/4	0.200/5	0.34	0.88	0.94	0.04	30 @ 0.1A	870	20	.35	.29	.25
2129385	UT1893-45-0125	JVP	3	Infrared phototransistor	T1 3/4	0.200/5	0.34	0.88	0.94	0.04	30 @ 0.1A	860/940	20	.35	.29	.25
1872441	OP999	OPT	3	PIN silicon photodiode	OPT	0.205/5.3	0.31	0.69	0.75	0.04	1.2 @ 1mA	200	100	1.19	1.09	.99
120221	BPW77NA	VSH	5	NPN phototransistor	TO-18	0.18/4.69	0.24	0.19	0.52	0.01	70VCEO @ 50mA	850	250	1.95	1.75	1.49
1872759	OPB704WZ	OPT	6	Infrared emitting diode/phototransistor	—	0.61/15.5	0.61	24	24	—	1.7 @ 40mA	890	68	4.95	4.49	3.95
2159904	PT101SCOLZOF	SHP	7	Phototransistor rect. R/A	Rect.	0.118/0.7	—	0.56	0.61	—	3.5 @ 2mA	620	5	.49	.45	.35
874939	QRD1114	FSC	8	Reflective object sensor phototransistor	Rect.	0.24/6.1	0.18	0.17	0.5	—	1.7 @ 20mA	940	100	1.29	1.09	.79

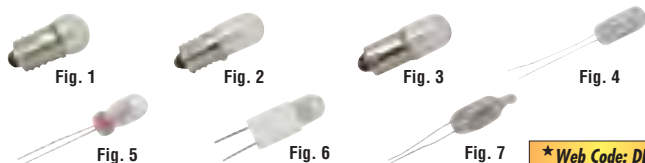
* JVP = Jameco ValuePro | FSC = Fairchild Semi | LIG = Ligitek | LTO = Lite-On | OPT = Optek | RHM = Rohm | SYL = Sylvania | SHP = Sharp | VSH = Vishay

* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



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Incandescent, Neon, LED Replacement Lamps & Laser Products



*Web Code: DBH

JAMECO ValuePro Incandescent Lamps

Part No.	Cross Ref.	Fig.	Description	Volts	MSPC	1	10	100
209390	14	1	G3 1/2 miniature screw	2.47	.50	\$.45	\$.39	\$.35
209402	40	2	T3 1/4 miniature screw	6.3	.50	.39	.35	.29
209429	46	2	T3 1/4 miniature screw	6.3	.90	.35	.29	.25
209437	47	3	T3 1/4 miniature bayonet	6.3	.50	.35	.29	.25
141073	2182	4	T1 3/4 wire terminal	14	.34	.49	.45	.39
1943916	CM8-A241	5	T1 wire terminal w/ blue cap	12	.15	.39	.35	.29
141066	2200	4	T1 3/4 wire terminal	5	.05	.49	.45	.39
210008	7328	6	T1 3/4 bi-pin	6	.60	.69	.59	.55
210032	7382	5	T1 3/4 bi-pin	14	.30	.65	.59	.55

JAMECO ValuePro Neon Lamps

* Order in multiples of 10

*Web Code: VAD

Part No.	Cross Ref.	Fig.	Description	Voltage	1	10	100
27351	A1A (NE-2)	7	Wire terminal .5mA, 25mm L	65-120	\$.35	\$.29	\$.25
210260	A9A (NE-2E)	7	Wire terminal .7mA	65-120	*	.19	.15
210315	C2A (NE-2H)	7	Wire term. 1.9mA, 18mm L	65-120	.35	.29	.25

JAMECO ValuePro Cluster Type T1-3/4 LED Lamp

- Cluster type 4 orange-red 5mm LEDs • 634nm
- Lens: red tinted transparent • Luminous uniformity: 16cd
- Vf @If = 9V @ 20mA (typical) • 26mm diameter case size
- 21" long-2-wire with connector • 30 degree viewing angle

Part No.	Cross Ref. No.	1	10	100
2155276	BVM-R26QT4	\$1.95	\$1.75	\$1.49

ROHM 785nm AlGaAs Laser Diode

- Typical application: optical LAN (fiber channel)
- Voltage and current: 1.9V (typical) @ 45mA
- Monitor current: 0.2mA (3mW, 15Vr(PIN))
- Power: 5mW
- Parallel divergence angle: 15°
- Perpendicular divergence angle: 45°
- Peak wavelength: 785nm (typical)

Part No.	Mfr. Part No.	1	5	25
2135398	RLD-78PIT	\$3.95	\$3.59	\$2.95

650nm Laser Diodes

- 182932: Output power - 5mW max.; operating volt. & current: 2.6V max @ 30mA; wavelength - 650nm (typ); beam divergence - 11° from center
- 2120428: Output power - 5mW min.; oper. volt. & current: 2.6V max @ 70mA; wavelength - 650nm (typ); beam divergence - 8° from center

Part No.	Mfr.	Product No.	1	5	25
182932	ValuePro	ULD-6556	\$14.95	\$13.45	\$11.95
2120428	Lite-On	LTLD505T	3.49	2.95	2.49

FLEXIBLE THIN FILM SOLAR MODULES PowerFilm

171061: 4.5"L x 1.5"W x .01"H
228030: 3.3"L x 1.5"W x .01"H

Part No.	Operating Voltage @ Current	1	5	25
171061	3 V @ 50 mA	\$5.95	\$5.35	\$4.79
228030	4.2 V @ 22 mA	5.95	5.35	4.79

JKL Wedge Base LED Lamp

*Web Code: WBL

Wedge LEDs can replace filament bulbs commonly found in automotive and water craft applications. The LEDs feature an integrated diode for reverse voltage protection and a current limiting resistor.

Part No.	Mfr. Part No.	Volt. @ Current	Color	Wavelength	Lumens	1	10	100
2123371	LE-0503-03W	12VDC @ 15mA	White	X=0.3; Y=0.29	2.5	\$1.49	\$1.35	\$1.19

JKL 12" Fluorescent Lamp & Power Supply

Now you can easily and affordably mount these fluorescent lamps to add cool cold-cathode effects and give your display a richer look and feel.

*Web Code: ABP

Part No.	Mfr.	Mfr. Part No.	Description	Size (L" x Dia")	1	10	25
2077466	JKL	FLC12-12	Cool white lamp†	12 x .120	\$.75	\$.69	\$.59
2077440	Velleman	FLPS	12VDC power supply for above lamps		5.95	5.39	4.79

† 1" solder terminals

Ultraviolet Lamp & Ballast (Rapid Start)

Part No.	Mfr.	Product No.	Description	1	10	100
2100128	ValuePro	TUV25W/G25	20" T5 ultraviolet lamp	\$2.95	\$2.75	\$2.49
2100005	Lightwave	LW20EB20-120	25W rapid start ballast	2.95	1.95	1.59

Multi-Chip Based LED Lamps

T1 - Midget Flange

Part No.	Product No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing
392690	585-4125	Yellow	14	20	530	630	1 10 100
392702	585-1225	Red	28	4.5	350	625	1.25 1.09 .99

alpec Laser Diode Module

- Operates on 3VDC @ <5mW
- 650nm wavelength
- Beam diameter: 5 x 8mm
- Working dis.: over 50m (daylight), 200m (dark)
- Size: 0.9"L x 0.3"Dia • One-year warranty

Part No.	Description	1	5
310519	Laser module, brass	\$44.95	\$39.95

alpec 532nm Green Laser Pointer

- Output wavelength: 532nm
- Output power: <5mW
- Includes: Metal gift box, clip and 2 AAA batteries

Part No.	Mfr. Part No.	Size (L" x Dia")	1	5
223731	5608	5.6 x 0.5	\$89.95	\$84.95

alpec 670nm Red Laser Pointer Pen

- Includes: 2 AAA batteries
- Range up to 500 yards
- 670nm output wave length
- Plastic gift box • <5mW

Part No.	Mfr. Part No.	Size (L" x Dia")	1	5
153605	4012	5.2 x 0.4	\$21.95	\$19.75

630-650nm Red Laser Pointer Pen

- Includes: 2 AAA batteries
- Maximum output power: 5mW
- Range up to 500 yards
- Wave length: 630 to 650nm
- 1/4" diameter round red dot

Part No.	Mfr. Part No.	Size (L" x Dia")	1	5
2151128	CL2000	5.8 x 0.4	\$10.95	\$9.95

650nm Line and Dot Laser Diodes

143845/173243:

- Focus adjustable with locking set screw
- Wattage: 5mW
- Oper. volt.: 3-5V
- Size: 3.3"L x 0.9"Dia.
- One-year warranty

143845: Line laser module

- Laser line width: 1mm • Laser fan angle: 60°
- 173243: Cross hair laser diode module
- Laser fan angle: 60° • Size: 3.0"L x 0.9"D
- Female 2.1mm power connector

1940660: Module regulated power supply

- Output: 5VDC @ 1A
- Short-circuit protection
- Input voltage: 90-264VAC or 190-250VAC switchable
- Size: 2.6"H x 1.3"W x 1.9"D
- Weight: 0.6 lbs.

143853: Laser module mount

- X-Y tilt, θ movement
- Built to hold laser diode on target
- Tightening screw for tilt adjustment

Part No.	Description	1	5
143845	Line laser diode module	\$139.95	\$124.95
173243	Cross hair laser diode mod	149.95	134.95
1940660	Cross hair laser diode mod	10.49	9.49
143853	Laser diode module mount	69.95	59.95

*Laser Products — Enter Web Code LAZ

*Soldering Irons — Enter Web Code QAS

*Rocker Switches — Enter Web Code VBU

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Panel Mount Indicators, Lamps & Fiber Optics



Panel Mount Indicators (LED, Incandescent, Neon)

*Web Code: SOL

These bright indicator lights come equipped with quick and easy connections. They come in many different types for your specific needs.

- 14/28/125/250/277/480 volts
- .187"/.250" tabs; clamp screw; stripped & tin wires termination
- Red, amber, yellow, green, blue or white
- UL/CUL/TUV/CE approved

KF 12/13 series:

- 22mm (0.88") mounting hole
- Diffuser: polyacetal
- Housing: PBT w/ 20% glass
- Lens and hex nut: polycarbonate
- Hex nut and panel seal mounting hardware



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Part No.	Mfr. Part No.	Fig.	Voltage (V)	Color	Mounting Hole	Type	Termination	1	10	100
2129511	2935-1-12-393-1	1	14	Red	.051"	Incandescent	6" wires	\$.79	\$.69	\$.59
2126432	KE12-4-03-01010	2	14	Red (translucent lens)	.063"	LED	0.250" tabs	.79	.69	.59
2126740	KF12-6-20-AB280*	3	14	Yellow (black base)	.088"	LED	Clamp screw	1.95	1.75	1.49
2126424	KE12-4-03-01020	2	14	Amber (translucent lens)	.063"	LED	0.250" tabs	.69	.59	.49
2126416	KE12-4-03-01040	2	14	Green (translucent lens)	.063"	LED	0.250" tabs	.79	.69	.59
2126408	KE12-4-03-01050	2	14	Blue (translucent lens)	.063"	LED	0.250" tabs	.79	.69	.59
2126601	KF13-6-20-AD250†	4	28	Blue (black base)	.088"	LED	Clamp screw	1.49	1.25	1.09
2126483	2415-3-12-216-1	5	125	Red	.0312"	LED	0.187" tabs	.79	.69	.59
2126150	2850-1-12-393-1	1	125	Red	.051" (0.94"L)	Neon	6" wires	1.25	1.09	.99
2129537	3550-1-00-236-1	6	125	Red	.0375"	Neon	6"/12" wires	.69	.59	.49
2126168	2850-1-12-393-2	1	125	Amber	.051"	Neon	6" wires	.99	.89	.79
2126176	2850-1-12-393-4	1	125	Green	.051"	Neon	6" wires	.79	.69	.59
2129545	4416-1-20-010-1	7	250	Red	.0250"	LED	9" wires	.39	.29	.19
2129431	3052-3-12-393-4	7	250	Green	.050" x 0.81"	Neon	0.187" tabs	.99	.89	.79
2126512	2954-X-11-373-10	8	480	Red	.050"	Neon	15" wires	.49	.39	.29

*Tapered lens cap †Flat-top lens cap

Neon Bulbs

*Web Code: NOB

Part No.	Mfr. Part No.	Fig.	Description	1	10	100
2129553	9950-X-00-00000-0002	9	125V Neon bulb with 46k resistor, 2" wires	\$.29	\$.25	\$.19

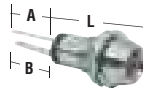
Jameco ValuePro LED Panel Mount Indicators

- Easy panel installation
- Panel/status/instrument indicators

141111/141129/141137: Chrome housing



141111



141129/141137



637183

*Web Code: SOL

Part No.	Cross Ref. No.	Mfr.	LED Size	Color	Dimensions (in.)			Mounting Hole	Vf @ If	Pricing		
					L	A	B			1	10	100
141111	L922SRD	JVP	T1	Red	.56	.34	.25	.23"	2V @ 20mA	\$1.09	\$.99	\$.79
141129	L913RD	JVP	T1	Red	.56	.39	.32	.24"	2V @ 20mA	1.19	1.05	.95
141137	L917RD	JVP	T1 3/4	Red	.70	.55	.47	.31"	2V @ 20mA	1.19	1.05	.95
637183	UT2U1G-H113-R801-W05†	JVP	T1 3/4	Green	.55	5.5	5.5	.24"	12V @ 10mA	.95	.85	.75
2158936	UT2U1W-H113-R801-1739	LED	T1 3/4	White	.55	5.5	5.5	.24"	12V @ 30mA	.95	.85	.75

†Has internal resistor to run 12V @ 10mA

Jameco ValuePro 12V Incandescent Panel Mount Lamps

- 215715: Solder terminals - 0.196" (5mm)

*Web Code: JBJ

Part No.	Cross Ref. No.	Fig.	Color	Mounting Hole	Wire Length	1	10	100
215750	R9-55B-W130-12V-R	1	Red	9/32" (7mm)	4.9" (120mm)	\$1.49	\$1.35	\$1.19
2158506	F151-12G	1	Green	9/32" (7mm)	Terminals	1.39	1.25	1.09
215766	R9-55B-W130-12V-G	1	Green	9/32" (7mm)	4.9" (120mm)	1.65	1.55	1.39
215774	R9-46B-W100-12V-R	2	Red	1/2" (13mm)	3.9" (100mm)	.95	.85	.75
215715	R9-71B-05-12V-R	3	Red	5/8" (16mm)	Terminals	2.25	1.95	1.79



Fig. 1



Fig. 2



Fig. 3

Jameco ValuePro Neon Panel Mount Lamps

- Input voltage: 120V
- Mounting hole dia.: 5/8" (16mm)
- Solder terminals: 0.196" (5mm)
- 1585485: Rectangular
- 6" wire leads
- Size: .91"L x .38"W x .77"D

*Web Code: JBJ



215803



1585485

Part No.	Cross Ref. No.	Color	1	10	100
215803	R9-71N-05-120V-R	Red	\$1.95	\$1.75	\$1.59
215812	R9-71N-05-120V-Y	Yellow	1.49	1.35	1.19
215830	R9-71N-05-120V-G	Green	1.49	1.35	1.19
1585485	32501001714	Green	.....	*.19	.15

CML Incandescent/Neon Panel Mount Lamps

- Mounting hole: .310"Dia.
- Color: red
- 2099788: Incandescent type
- 2.7VDC @ 60mA
- 1765849: Neon type
- 105VAC to 125VAC

*Web Code: JBJ



1765849

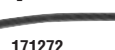
Part No.	Mfr. Part No.	Lead Wire	1	10	100
2099788	970000146*	10"	\$.39	\$.35	\$.29
1765849	2150A1	4.4/4.8"	2.29	1.95	1.69

*Manufacturer: Jameco ValuePro

INDUSTRIAL FIBER OPTICS

Fiber Optic Lab Kit & Cable

- 169914: 9 different activities
- Ideal for the lab environment
- Teaches the fundamentals of fiber



171272



169914

*Web Code: QAA

Part No.	Mfr. Part No.	Description	1	5
169914	IF-LMH	Fiber optic lab kit	\$59.95	\$49.95
171272	IF-C-E1000	1000µm core jacketed plastic cable (10')	5.95	5.49



Hi Speed Fiber Optic PIN Photodiode

- Reverse voltage: 100VDC
- Continuous power dissipation: 200mW
- Peak response wavelength: 860nm
- High-speed, low capacitance
- ST style receptacle
- Interface with multimode optical fibers w/ 50/125 to 100/140 microns

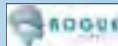


Part No.	Mfr. Part No.	1	10	100
2135283	OPF432	\$.99	\$.89	\$.79

MP3 PLAYBACK MODULE

Integrate high-quality MP3 playback module into your designs with the easy to use TTL serial protocol.

Part No.	Mfr. Part No.	Size (L" x W")	1	5
2135734	AP-RMP	2.7 x 2.1	\$59.95	\$54.95



Play voice prompts, sound effects, or music!



- Supports MP3, PCM WAV, and IMA ADPCM WAV files
- Simple TTL serial control interface
- SPI control option
- Easily interfaced with any microcontroller (PIC, AVR, 8051, etc.)

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com



7, 14 & 16-Segment LED Displays

Soldering:

- Soldering bath: not more than 5 seconds @ 260°C
- Soldering iron: not more than 3 seconds @ 300°C under 30W

Single Digit LHDP
(2082265)



Single Digit RHDP (14-seg.)
(2076703)



2-Digit RHDP
(2005358)



2-Digit RHDP (16-seg.)
(2005382)



3-Digit RHDP
(1956493)



4-Digit RHDP (7-seg.)
(2006836)



Single Digit 7-Segment Numeric LED Displays

★ Web Code: PBW

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
24732	MCD	GNS-3011BH-11	0.30"	Red	CA	10	1.9 @ 20	0.3 @ 20	697	LHDP/RHDP	\$.89	\$.79	\$.69
24782	Ligitek	LSD3211-11	0.30"	Red	CC	10	2.1 @ 20	2.5 @ 20	697	LHDP/RHDP	.99	.89	.75
24740	Ligitek	LSD3221-11	0.30"	Red	CA	11	2.1 @ 20	2.5 @ 20	697	LHDP/RHDP	.99	.89	.75
2125237	QT Opto	MANC3940	0.30"	Hi-eff Red	CC	10	2.0 @ 20	5.4 @ 20	635	RHDP	.49	.39	.35
2129713	Ligitek	LSD3H66F-20A	0.30"	AlGaInP Red	CA	10	1.7 @ 30	31 @ 30	630	RHDP	.59	.55	.49
2082265	General Instr.	MAN3620A	0.30"	Orange	CA	11	2.5 @ 20	3.3 @ 10	630	LHDP	.39	.29	.25
335011	ValuePro	UA3041-12	0.30"	Orange	CA	11	2.1 @ 20	3.3 @ 10	635	RHDP	.49	.45	.39
320469	ValuePro	UA3031-16-EWRN	0.30"	Yellow	CA	11	3.0 @ 20	2.3 @ 10	585	LHDP/RHDP	.79	.75	.65
2125245	Vishay	TDSR3163-G	0.40"	Red	CC	10	1.6 @ 30	0.18 @ 30	660	RHDP	.59	.55	.45
334844	ValuePro	UC4041R-11	0.40"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.89	.79	.69
2005411	Lite-On	LTS-4980AHR	0.40"	Hi-eff Red	CC	14	2.1 @ 20	2.2 @ 10	635	RHDP	.69	.55	.45
17209	MCD	GNS-5011BH-11	0.50"	Red	CA	10	2.1 @ 20	0.9 @ 20	697	RHDP	1.09	.99	.89
17187	Ligitek	LSD5051-11	0.50"	Red	CC	10	2.1 @ 20	0.9 @ 20	697	RHDP	1.09	.99	.89
1955749	Lite-On	LTS-5301AR	0.56"	Red	CA	10	1.7 @ 20	0.6 @ 10	655	RHDP	.89	.79	.65
335090	ValuePro	UA5651-11	0.56"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	1.09	.99	.89
334896	ValuePro	UC5641R-11	0.56"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.99	.89	.79
335101	ValuePro	UA5641R-11	0.56"	Hi-eff Red	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.99	.89	.79
334880	ValuePro	UC5641-11-EWRNR	0.56"	Orange	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.99	.89	.79
334862	ValuePro	UC5621-11	0.56"	Green	CC	10	2.1 @ 20	2.9 @ 10	567	RHDP	.89	.79	.65
2075760	Ligitek	LSD512BKS-20	0.56"	Blue	CA	10	3.5 @ 20	12.8 @ 10	460	RHDP	2.95	2.75	2.49
1955829	Lite-On	LTS-3403AP	0.80"	Red Gap	CC	18	2.1 @ 20	0.95 @ 10	697	LHDP/RHDP	.79	.69	.59
18753	Ligitek	LSD8151-10	0.80"	Red	CC	13	2.1 @ 20	1.0 @ 20	697	RHDP	1.25	1.15	.99
18737	Ligitek	LSD8164-20	0.80"	Orange Red	CA	13	1.6 @ 20	0.9 @ 20	655	RHDP	1.25	1.15	.99
176559	ValuePro	C8021-1	0.80"	Green	CC	13	2.0 @ 20	0.9 @ 20	568	RHDP	.49	.39	.29
97172	Ligitek	LSD10061-10	1.0"	Red	CA	10	2.1 @ 20	2.0 @ 20	697	RHDP	1.49	1.25	1.09
97199	Ligitek	LSD23265-10	2.24"	Red	CA	10	6.8 @ 20	30 @ 20	660	RHDP	4.95	4.49	3.95
97201	Ligitek	LSD23255-10	2.24"	Red	CC	10	1.7 @ 20	21 @ 20	660	RHDP	4.49	3.95	3.59
105591	Ligitek	LSD40054-20	4.00"	Orange Red	CC	10	2.0 @ 20	18 @ 20	635	RHDP	8.95	7.95	7.15

2-Digit 7-Segment Numeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
1955781	Lite-On	LTD-2701WC	0.28"	Red	CC	10	1.8 @ 20	3.1 @ 5	660	RHDP	\$.99	\$.89	\$.79
2075786	Ligitek	LDD4062-20/A	0.40"	Green	CA	16	2.1 @ 20	3.05 @ 10	565	RHDP	.99	.85	.69
24715	Ligitek	LDD5121-20	0.56"	Red	CA	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.59	1.39	1.19
2125481	China Semi	SD-525R	0.56"	Red	CC	18	1.7 @ 20	1.0 @ 20	655	RHDP	1.49	1.35	1.09
24723	Ligitek	LDD5111-11	0.56"	Red	CC	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.59	1.39	1.19
24707	Ligitek	LDD5114-20	0.56"	Orange Red	CC	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.59	1.39	1.19
200539	Arctic	ELD556VWA	0.56"	Yellow	CA	18	2.0 @ 20	1.9 @ 10	590	RHDP	.69	.59	.49
790022	Lite-On	LTD-6410AG	0.56"	Green	CA	18	2.1 @ 20	2.4 @ 10	565	RHDP	1.59	1.39	1.19
2005358	Lite-On	LTD-5623BG	0.56"	Green	CC	18	2.1 @ 20	2.4 @ 10	565	RHDP	1.95	1.75	1.49
2005366	Lite-On	LTD-6440G	0.56"	Green	CC	18	2.1 @ 20	2.4 @ 10	570	RHDP	.99	.89	.79

3-Digit 7-Segment Numeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
335055	ValuePro	UN4043-13 EWRS	0.40"	Orange	CA	12	2.1 @ 20	3.3 @ 10	635	RHDP	\$ 1.09	\$.99	\$.75
1956493	Lite-On	LTC561R	0.56"	Red	CA	12	1.7 @ 20	0.6 @ 10	665	RHDP	2.25	1.95	1.59
2125229	ValuePro	LN5643R-11	0.56"	Orange	CA	12	2.1 @ 20	4.5 @ 10	630	RHDP	.59	.49	.39
308224	ValuePro	LM5643R-11RRRN	0.56"	Orange	CC	12	2.1 @ 20	7.4 @ 20	630	RHDP	2.49	2.25	1.95

* CA-Common Anode/CC-Common Cathode # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point ‡ 5 diodes per segment

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

LED Displays, Bar Graph Arrays & Dot Matrix Displays

LITEON 7, 14 & 16-Segment LED Displays (Continued)



★ Web Code: PBW

4-Digit 7-Segment Numeric LED Displays

Figure images on previous page

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity *	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
2006836	Ligitek	LFD5221-20/A-PF	0.56"	Red	CA	12	2.1 @ 20	1.0 @ 10	697	RHDP	\$2.49	\$2.25	\$1.95
2005711	Lite-On	LTC-5653G-01	0.56"	Green	CA	12	2.1 @ 20	2.4 @ 10	565	RHDP	1.75	1.59	1.39
335194	ValuePro	UM5624-11-EWRS	0.56"	Green	CC	12	2.1 @ 20	2.9 @ 10	567	RHDP	2.95	2.49	2.19
11360	Lite-On	LTC-5851Y	0.56"	Yellow	CA	36	2.1 @ 20	2.1 @ 10	585	RHDP##	.99	.85	.69

Single Digit 14-Segment Alphanumeric LED Display

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity *	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
2076703	Ligitek	LSD3E62-20/A	0.39"	Green	CA	16	2.1 @ 20	3.05 @ 10	565	RHDP	\$1.25	\$1.09	\$.95

2-Digit 16-Segment Alphanumeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity *	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
2005382	Lite-On	LTP-4323P	0.40"	Bright Red	CC	20	2.1 @ 20	0.75 @ 10	697	RHDP	\$.79	\$.69	\$.59
2005391	Lite-On	LTP-4323JD	0.40"	AllnGap Hyper Red	CC	20	2.1 @ 20	0.65 @ 10	650	RHDP	.59	.49	.39

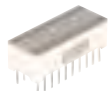
* CA-Common Anode/CC-Common Cathode # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point ## 1st & 2nd digits only

LITEON LED Bar Graph Arrays (10 Elements)

697477



2115531



790188



★ Web Code: LBW

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Number of Elements	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing		
										1	10	100
697477	Lite-On	LTA-1000HR	0.20"	Hi-eff. Red	10	20	2.0 @ 20	2.0 @ 10	635	\$1.39	\$1.25	\$1.09
334529	ValuePro	UL10000-HR-RRAK	0.20"	Red	10	20	2.1 @ 20	1.6 @ 10	635	1.39	1.25	1.09
334537	ValuePro	UL10000-Y-EWAK	0.20"	Yellow	10	20	2.1 @ 20	1.1 @ 10	585	1.39	1.25	1.09
2115531	Ledtronics	LBG1000G3B	0.20"	Hi-eff Green	10	20	2.1 @ 10	5 @ 10	565	.99	.89	.79
697469	Lite-On	LTA-1000G	0.20"	Green	10	20	2.1 @ 20	2.0 @ 10	565	1.39	1.25	1.09
1551402	Avago	HDSP-4832	0.20"	Hi-eff. Red, Yellow, Green	10	20	2.1/2.2 @ 20; 2.1 @ 10	3.5/1.9/1.9 @ 10	635/583/566	7.95	6.95	6.25
790188	Lite-On	LTL-2620HR	0.35"	Hi-eff. Red	4	16	2.0 @ 20	4.2 @ 10	635	.29	.25	.15

LITEON LED Dot Matrix Displays (5 x 7, 5 x 8 & 8 x 8 Arrays)

5 x 7



5 x 8



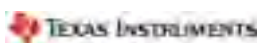
8 x 8



★ Web Code: HAV

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Array Polarity *	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing		
										1	10	100
218843	ValuePro	CSM57041T-11	0.7"	Red	5 x 7 CC/AR	12	1.8 @ 20	8.0 @ 20	660	\$1.09	\$.99	\$.89
2005420	Lite-On	LTP-747C	0.7"	AlGaAs Red	5 x 7 AC/CR	12	1.8 @ 20	5.8 @ 80	660	1.29	1.19	.95
2005497	Lite-On	LTP-757G	0.7"	Green	5 x 7 CC/AR	12	2.1 @ 20	2.0 @ 80	565	.99	.89	.75
2132349	ValuePro	LD788BS-SS22	0.8"	Hi-efficiency Red	8 x 8 CC/AR	16	2.0 @ 10	25.9 @ 10	632	3.95	3.59	2.95
2005518	Lite-On	LTP-1557AKA	1.2"	AllnGaP Red Orange	5 x 7 CC/AR	14	2.05 @ 20	3.8 @ 80	621	.99	.89	.79
1955132	Lite-On	LTP-2157AHR-RD	2.0"	Hi-efficiency Red	5 x 7 CC/AR	14	2.0 @ 20	4.8 @ 80	635	1.09	.99	.89
1955116	Lite-On	LTP-2157AE	2.0"	Orange	5 x 7 CC/AR	14	2.0 @ 20	4.8 @ 80	630	1.09	.99	.89
206560	ValuePro	LPTL-21157AQBK1	2.0"	Green	5 x 7 CC/AR	14	2.1 @ 20	4.8 @ 80	565	1.95	1.75	1.49
1955159	Lite-On	LTP-2757AA	2.0"	Green/Red Orange	5 x 7 CC/AR	28	2.1/2.0 @ 20	4.8 @ 80	565/630	2.49	2.25	1.75
1955167	Lite-On	LTP-4157AE	4.0"	Orange	5 x 7 CC/AR	14	4.0 @ 20	96 @ 80	630	2.49	2.25	1.75
1955175	Lite-On	LTP-4157AG	4.0"	Green	5 x 7 CC/AR	14	4.2 @ 20	96 @ 80	565	1.95	1.75	1.49
1955183	Lite-On	LTP-2158AHR	1.9"	Hi-efficiency Red	5 x 8 CC/AR	14	2.1 @ 20	4.0 @ 48	635	.99	.89	.79
2158573	ValuePro	GNM-19881ASG-11	1.9"	Super Red/Green	8 x 8 AC/CR	24	1.8/2.1 @ 10	3/2.5 @ 10	660/565	17.95	15.49	12.95
2158581	ValuePro	GNM-23881BSG-11	1.9"	Super Red/Green	8 x 8 CC/AR	24	1.8/2.1 @ 10	3/2.5 @ 10	660/565	17.95	15.49	12.95
2151961	ValuePro	GNM-23881BUEPGUB-11	2.3"	Red/Green/Blue	8 x 8 CC/AR	32	2.0/3.5/3.5 @ 20	110/80/55 @ 20	632/520/470	22.95	21.49	19.95

* AC-Anode Column / AR-Anode Row / CC-Cathode Column / CR-Cathode Row



LED Dot Matrix with Decoder Driver (4 x 7 Hexadecimal Array)



★ Web Code: HAV

Part No.	Manufacturer	Mfr. Part No.	Character Height	Illuminated Color	Supply Voltage (V)	No. of Characters	Array Polarity	Pins/Leads	Typical mcd	Wavelength nm	Pricing		
											1	10	100
32951	Texas Instruments	TIL311	0.27"	Red	5	1	4 x 7 Hex	11	0.1	660	\$19.95	\$17.95	\$15.95

* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



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Scott Edwards Electronics, Inc.

Organic LED (OLED) Serial Displays

★ Web Code: OSD

High brightness, high contrast, brilliant display. This display operates in wide temperature ranges, consumes low power, and has EEPROM storage. Choose from 4 font sizes from regular 16 x 2 to huge 8 x 1 characters.



2160382

Part No.	Mfr. Part No.	Characters x Lines	Input Data	Input Voltage (VDC @ mA)	Letters/Backlight	Module Size (in.)	Display Size (in.)	1	5	25
2160382	GLO-216Y	16 x 2 or 8 x 1	9600	3.3 - 5.3 @ 40 (50mA max.)	Yellow/Black	3.2 x 1.4 x 0.2	2.6 x 0.6	\$42.95	\$39.95	\$37.95
2144032	GLO-416Y	16 x 4 or 4 x 1	9600	4.8 - 5.3 @ 50 (60mA max.)	Yellow/Black	3.9 x 2.4 x 0.6	3.0 x 1.0	59.95	57.95	55.95



Serial/Parallel LCD Displays

★ Web Code: DFD

- Supply voltage: +5V
- Arduino-compatible
- 2160340/2160403: Also supports graphics and Chinese characters

Part No.	Mfr. Part No.	Characters/Resolution	Communication	Color Backlight-Lettering	Controller	Size (L" x W")	Pricing	
							1	5
2160391	FIT0126	16 characters x 2 rows	Parallel	Green-Gold	KS 0066	3.1" x 1.4"	\$9.95	\$8.95
2160374	FIT0127	16 characters x 2 rows	Parallel	Blue-White	KS 0066	3.1" x 1.4"	9.95	8.95
2160382	FIT0128	16 characters x 2 rows	Parallel	Yellow-Black	KS 0066	3.1" x 1.4"	9.95	8.95
2160358	DFR0063	16 characters x 2 rows	I ² C/TWI	Blue-White	HD44780U	3.2" x 1.4"	19.95	18.49
2160366	DFR0154	20 characters x 4 rows	I ² C/TWI	Blue-White	HD44780U	3.9" x 2.4"	26.95	24.95
2160340	FIT0021	128 x 64 resolution	Serial/Parallel	Blue-Black	ST7920	3.7" x 2.8"	19.95	17.95
2160403	DFR0091	128 x 64 resolution	Serial/Parallel	Blue-White	ST7920	3.7" x 2.8"	27.95	25.95



2160391



2160382



2160366



2160403



Serial LCD Displays

Scott Edwards Electronics, Inc.

★ Web Code: QAW

- For detailed specification sheets, please visit www.Jameco.com.
- One-year warranty

NEW
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150990



2118651



158166



150957



2152948



281404



2170089

Part No.	Manufacturer	Mfr. Part No.	Characters x Lines	Input Data	Input Voltage (V @ mA)	Letters - Backlight	Notes†	Module Size (W" x H" x D")	Display Size (W" x H")	Pricing	
										1	5
2160112	Matrix Orbital	LCD0821-WB	8 x 2	19200 (default)	5.0 @ 94	White-Blue	5	2.3 x 1.5 x 1.0	1.5 x 0.6	\$39.95	\$37.95
2169977	Matrix Orbital	MOS-AL162A-YX3SE	16 x 2	9600 - 19200	4.8-5.3 @ 25	Black-Yellow/Green	6	3.1 x 1.4 x 1.0	2.5 x 0.6	33.95	31.95
2169985	Matrix Orbital	MOS-AL162A-WB3SE	16 x 2	9600 - 19200	4.8-5.3 @ 25	Light Blue-Grey/White	6	3.1 x 1.4 x 1.0	2.5 x 0.6	33.95	31.95
2160315	Matrix Orbital	MOI-AL162A-WB3SE	16 x 2	9600 - 19200	4.8-5.3 @ 25	Blue/Grey-White	6	3.1 x 1.4 x 1.0	2.5 x 0.6	39.95	37.95
150990	Scott Edwards	ILM-216L	16 x 2	1200-9600	4.8-5.5 @ 5	Black-Yellow/Green	1,2,5	3.2 x 2.0 x 0.5	2.8 x 1.0	49.95	44.95
2118651	Newhaven	NHD-0216K3Z-FL-GBW	16 x 2	9600 (default)	5.0 @ 125	Blue-Yellow/Green	—	3.2 x 1.4 x 0.5	2.5 x 0.6	18.95	16.95
2118660	Newhaven	NHD-0126K3Z-FS(RGB)-FBW	16 x 2	9600 (default)	5.0 @ 18	Black-RGB	—	3.2 x 1.4 x 0.5	2.5 x 0.6	23.95	21.49
2160294	Matrix Orbital	MOS-AL162F-YX3SJ	16 x 2	9600-19200	5.0 @ 51	Black-Yellow/Green	--	2.7 x 0.85 x 0.93	1.9 x 0.43	24.95	22.95
2081975	ValuePro	CFA632-NFA-KS	16 x 2	2400 - 19200	5.0 @ 9	Black-None	5	4.3 x 1.7 x 0.6	3.3 x 0.9	14.95	13.49
133129	Scott Edwards	BPI-216N	16 x 2	2400 or 9600	4.8-5.5 @ 3	Black-None	1,2,8	3.1 x 1.4 x 0.7	2.8 x 1.0	44.95	42.95
174166	Matrix Orbital	LK162-12R	16 x 2	1200-19200	5.0 @ 9	Black-Yellow/Green	1,3,4,6	3.2 x 1.5 x 0.8	2.5 x 0.7	49.95	44.95
2135638	ValuePro	LK162-12-WB	16 x 2	1200-19200	5.0 @ 9	White-Blue	1,3,4,6	3.2 x 1.5 x 0.8	2.5 x 0.7	19.95	17.95
2118539	Newhaven	C0220BIZ-FS(RGB)-FBW-3VM	20 x 2	9600 (default)	2.7-3.5 @ 1	Black-Red/Green/Blue	—	3.0 x 1.1 x 0.3	2.4 x 0.6	12.95	11.49
2152930	Matrix Orbital	MOS-AL202C-YX	20 x 2	9600-19,200	5.0 @ 198	Black-Yellow/Green	—	7.1 x 1.4 x 1.1	3.3 x 0.7	34.95	31.95
2160201	Matrix Orbital	LK202-25-WB	20 x 2	1200 - 19200	4.8-5.3 @ 60	White-Blue	6	4.6 x 1.5 x 1.1	3.3 x 0.7	54.95	52.95
2160180	Matrix Orbital	LK202-25-GW	20 x 2	1200 - 19200	4.8-5.3 @ 60	Grey-White	6	4.6 x 1.5 x 1.1	3.3 x 0.7	54.95	52.95
158166	Scott Edwards	SGX-120L	20 x 4 w/ graphics	2400 or 9600	4.8-5.5 @ 15	Yellow-None	1,2,5	3.1 x 1.9 x 0.8	2.6 x 1.1	68.95	61.95
150957	Matrix Orbital	LCD2041	20 x 4	1200-19,200	5.0 @ 10	Black-Yellow/Green	1,3,4,6	3.9 x 2.4 x 0.7	3.0 x 1.0	64.95	62.95
2160251	Matrix Orbital	LK204-7T-1U-GW	20 x 4	1200 - 115200	4.8-5.3 @ 50	Grey-White	6,9,10	3.8 x 2.4 x 1.1	3.0 x 1.0	62.95	59.95
2169969	Matrix Orbital	LK204-7T-1U-USB-YG	20 x 4	1200 - 115200	4.8-5.3 @ 100	Grey-Yellow/Green	6,9,10	5.5 x 1.5 x 1.1	3.2 x 1.1	69.95	66.49
2160278	Matrix Orbital	LK204-7T-1U-USB-TCI	20 x 4	1200 - 19200	4.8-5.3 @ 200	Tri-color - Black	6,9,10	5.5 x 1.5 x 1.1	3.2 x 1.1	69.95	66.49
2118686	Newhaven	NHD-0420D3Z-FL-GBW	20 x 4	9600 (default)	5.0 @ 245	Blue-Yellow/Green	1	3.9 x 2.4 x 0.5	3.0 x 1.0	23.95	21.49
2160260	Matrix Orbital	LK204-7T-1U-USB-GW	20 x 4	19200-115200	4.8-5.3 @ 50	Grey-Grey/White	6,9,10	5.5 x 1.5 x 1.1	3.2 x 1.1	69.95	66.49
157323	Matrix Orbital	LK204-25R	20 x 4 w/ keypad	1200-19200	5.0 @ 16	Black-Yellow/Green	1,3,4,6	3.7 x 2.4 x 1.1	3.0 x 1.0	62.95	59.95
2152948	Matrix Orbital	LK204-7T-1U-TCI	20 x 4 w/ keypad	9600-12582912	4.8-5.3 @ 200	Black-Tri-color	9,10	5.5 x 1.5 x 1.1	3.2 x 1.1	64.95	62.95
281404	Matrix Orbital	GLK12232-25-FGW	122 x 32 w/ graphics	9600-115000	5.0 @ 20	Black-White	1,7	3.9 x 2.4 x 0.4	3.3 x 1.4	79.95	77.95
2160331	Matrix Orbital	GLK19264-7T-1U-WB	192 x 64	9600-115200	5.0 @ 95	White-Blue	6,9,10	5.7 x 1.5 x 1.3	3.2 x 1.1	85.95	81.95
2160323	Matrix Orbital	GLK24064-25-FGW	240 x 64	9600-115200	4.8-5.3 @ 95	Grey-White	6	7.1 x 2.6 x 1.1	5.2 x 1.5	162.95	154.95
2170089	Matrix Orbital	GLT240128	240 x 128	9600 - 115200	4.8-5.3 @ 265	Black-Yellow/Green	6,8,10	5.7 x 4.1 x 1.1	4.5 x 2.5	205.95	195.95
2170100	Matrix Orbital	GLT240128-USB	240 x 128	9600 - 115200	4.8-5.3 @ 265	Black-Yellow/Green	6,10	5.7 x 4.1 x 1.1	4.5 x 2.5	209.95	195.95

† 1. For a power supply, Jameco recommends P/N 164101, pg 95

2. Includes instruction codes for character generation, cursor control, printing, etc. (Examples for Stamps in PBASIC included)

3. Manual included

4. Connect 16 modules using the same two wire interface

5. EEPROM stores text font, settings, and text screen

6. Backlight control, bar graphs, large digits, multiple displays, software contrast control, auto line wrapping & auto scroll feature

7. 122 x 32 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting & keypad interface

8. LCD Serial Backpack® accepts RS232, CMOS or TTL signal

9. Fits into a 1U opening

10. 3 status LEDs and tactile keyboard

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Parallel LCD Displays & LED Hardware

NEW! NEW! NEW!

NEW! NEW! NEW!

Parallel LCD Displays

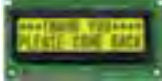
JAMECO ValuePro

NEW! NEW! NEW!

★ Web Code: GCG



618003



2118619



2118627



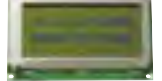
210761



2115469



2118635



658953

Part No.	Mfr.	Mfr. Part No.	Characters x Lines	Character Font	Input Data	Input Voltage (V @ mA)	Letters-Backlight	Notes†	Module Size (W" x H" x D")	Display Size (W" x H")	Pricing		
											1	5	25
2167314	Hantronix	HDM08216H-3-S005	8 x 2	5 x 7	8-bit	5.0 @ 2.2	Gray-STN-None	6	2.3 x 1.3 x 0.4	1.5 x 0.6	\$4.49	\$3.95	\$3.49
2138791	P-Tec	PC1601J-YLFYDLX	16 x 1	5 x 8	8-bit	5.0 @ 2.0	Black-Yellow/Green	—	4.8 x 1.7 x 0.3	3.9 x 0.9	5.95	4.95	3.95
618003	Hantronix	HDM716216H-5-3005	16 x 2	5 x 7	8-bit	5.0 @ 1.25	Black-None	—	3.2 x 1.4 x 0.3	2.5 x 0.5	9.95	8.95	7.95
1946068	Tinsharp	C-1602A-1YN	16 x 2	5 x 8	8-bit	5.0 @ 1.0	Black-None	—	2.8 x 1.4 x 0.4	2.6 x 0.6	8.95	7.95	6.95
2167293	Hantronix	HDM1621H-B-S905	16 x 2	5 x 7	8-bit	5.0 @ 2.2	Gray-STN-None	6	3.3 x 1.7 x 0.4	2.4 x 0.6	6.95	6.25	5.95
2118619	Newhaven	NHD-021682-FL-YBW	16 x 2	5 x 8	4-bit or 8-bit	5.0 @ 1.5	Blue-Yellow/Green	3, 4	3.3 x 1.7 x 0.5	2.5 x 0.6	10.95	9.95	8.95
1585979	Tinsharp	TC1602B-B	16 x 2	5 x 8	8-bit	5.0 @ 1.3	Black-Blue	—	3.1 x 1.4 x 0.4	2.5 x 0.4	14.95	13.49	11.95
2118580	Newhaven	NHD-02161Z-FL-YBW	16 x 2	5 x 8	4-bit or 8-bit	5.0 @ 1.5	Blue-Yellow/Green	4, 5	3.2 x 1.4 x 0.5	2.5 x 0.6	9.95	8.95	7.95
2118598	Newhaven	NHD-0216K1Z-NSW-BBW-L	16 x 2	5 x 8	4-bit or 8-bit	5.0 @ 1.5	White-Blue	3, 4	3.2 x 1.4 x 0.5	2.5 x 0.6	10.95	9.95	8.95
1954674	Tinsharp	TC1602B-W	16 x 2	5 x 8	8-bit	5.0 @ 1.3	White-Blue	—	3.1 x 1.4 x 0.4	2.5 x 0.4	12.95	11.95	10.95
2118627	Newhaven	NHD-0216S2-NSW-BBW	16 x 2	5 x 8	4-bit or 8-bit	5.0 @ 1.5	White-Blue	3, 4	4.8 x 1.7 x 0.5	3.9 x 0.9	16.95	15.49	13.95
2138793	P-Tec	PC1602J-YLFYDLX	16 x 2	5 x 8	8-bit	5.0 @ 2.0	Black-Yellow/Green	—	4.8 x 1.7 x 0.3	3.9 x 0.9	8.95	7.95	6.95
2081166	Optrex	DMC16249	16 x 2	5 x 8	4-bit or 8-bit	5.0 @ 3.0	Black-Grey -None	—	3.1 x 1.4 x 0.4	2.5 x 0.5	8.95	7.95	6.95
210761	ValuePro	UC-16401 (Samsung)	16 x 4	5 x 8	4-bit or 8-bit	6.5 @ 2.2	Black-None	1, 6	3.4 x 2.4 x 0.3	2.4 x 1.0	10.95	9.95	8.95
2167488	ValuePro	HC164001YFHYLB	16 x 4	5 x 7	8-bit	5.0 @ 0.35	Black-Yellow/Green	—	3.2 x 2.3 x 0.5	2.4 x 1.0	14.95	13.95	12.49
2138775	Hantronix	HDM20216H-3-S00F	20 x 2	5 x 7	8-bit	5.0 @ 2.2	Black-None	8	4.5 x 1.5 x 0.4	3.3 x 0.7	6.95	5.95	4.95
2115469	Hantronix	HDM20216H-3-VHOP	20 x 2	5 x 7	8-bit	5.0 @ 2.2	Yellow-None	—	4.6 x 1.5 x 0.4	3.3 x 0.7	7.95	6.95	5.95
2155372	ValuePro	HC20216NYU-LYVO	20 x 2	5 x 8	8-bit	5.0 @ 2.0	Black-Yellow/Green	7	5.7 x 1.7 x 0.6	4.8 x 0.9	9.95	8.95	7.95
2118635	Newhaven	NHD-0220DZ-FL-YBW	20 x 2	5 x 8	4-bit or 8-bit	5.0 @ 1.5	Blue-Yellow/Green	3, 4	4.6 x 1.5 x 0.4	3.3 x 0.7	16.95	14.95	13.49
2167306	Hantronix	HDM20416L-M-E315	20 x 4	5 x 7	8-bit	5.0 @ 1.3	Black-Yellow/Green	6	5.7 x 2.5 x 0.5	4.8 x 1.7	15.95	14.49	12.95
2158207	Tianma	TM204JAA7	20 x 4	5 x 8	8-bit	5.0 @ 1.4	Blue-Black/White	—	3.0 x 1.8 x 0.4	2.3 x 0.0	12.95	10.95	9.95
2118643	Newhaven	NHD-0420DZ-FL-YBW	20 x 4	5 x 8	4-bit or 8-bit	5.0 @ 3.5	Blue-Yellow/Green	3, 5	3.9 x 2.4 x 0.6	3.0 x 1.0	21.95	20.49	18.95
658953	Hantronix	HDM64GS12L-4-N31S	128 x 64	128 x 64	8-bit	5.0 @ 2.0	Black-None	2	3.0 x 2.1 x 0.4	2.4 x 1.3	19.95	17.95	15.95
2155428	Hantronix	HDM3224-1-WJIF	320 x 240	320 x 240	8-bit	7.0 @ 10.0	Grey-White/CCFL	2	6.5 x 4.3 x 0.4	4.8 x 3.6	21.95	19.95	17.95

- † 1. Recommended power supply P/N 164101, pg 95
 2. Dot Graphic LCD display
 3. Recommended power supply P/N 252701, pg 94
 4. Controller SPLC780D or equivalent
 5. Controller SPLC780D-01 or equivalent
 6. Control LSI HD44780 & column driver MSM5259 or equivalents
 7. Controller SGA006
 8. 14-pin connector installed

NEW! NEW! NEW!

Full Touchscreen Graphic USB LCD Panel

- Displays graphics and text in any font, style, justification and language
- 256kB on-board memory for customizable fonts and graphics
- Customizable backlight brightness, screen contrast, and baud rate
- Tri-color text with black background
- 240 x 64 pixel resolution
- Communication speeds up to 115.2kbps
- Single USB protocol for easy connection
- Fits into a 1U opening • Display size: 3.9"W x 1.1"H
- Power consumption: 4.75-5.25V @ 205mA



Part No.	Mfr.	Part No.	Module Size (W x H x D)	1	5
2152972	GLT	24064R-1U-USB-TCL	4.4" x 1.5" x 1.1"	\$159.95	\$154.95

ST 0.84" OLED Display

- This small 96x16 pixel OLED display is controlled via I2C fast-mode, with a bit rate up to 400kbit/s. With the optional Chip Select pin, multiple display modules can be controlled on the same I2C line for added functionality.
- Resolution: 96x16
 - Color: Monochrome (Light blue)
 - Fast-mode I2C (400kHz)
 - 256 step contrast/brightness control
 - Total size: 1.17" x 0.59" x 0.15" (29.7 x 14.9 x 3.9mm)



★ Web Code: OSD

Part No.	Mfr	Part No.	Operating Temperature	1	5	25
2157407	MINI-IC2	OLED	-40°C to +85°C	\$19.95	\$17.95	\$16.49

LCD AND LED DIGITAL PANEL METERS

Part No.	Description	1	5	25
108388	3½-digit snap in w/o bezel	\$9.95	\$8.95	\$7.95
175951	3½-digit screw mount w/ bezel	12.95	11.65	10.49

108388

Electroluminescence Wire

★ Web Code: BDZ

Imagine the possibilities of transforming ordinary objects with high tech visual effects. Wrap this fluorescent wire around any object such as musical instruments, models, science projects & presentation boards. Super charge your projects w/ brilliant color.

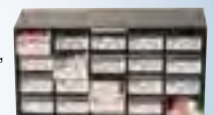


Part No.	Mfr.	Part No.	Color	Length	1	5	25
263484	NWRB	15	Blue	4.5'	\$19.95	\$18.95	\$17.95

T1 & T1¼ LEDs & LED Mounting Hardware Kit (560 pcs.)

- Includes:**
- 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 144 and labels
 - 10 ea. standard-output LEDs (114673, 34657, 34606, 114681, 104248, 34690, 34711, 34673, 104264, 34761, 104256, 11359, 2006705, 333569), pgs 20-22 and LED lens mount (14277), pg 19
 - 100 ea. LEDs (202471), pg 20 & (2006730), pg 21
 - 100 ea. LED mounting hardware (95513, 23077), 19

★ Web Code: CKS



Part No.	Description	Wt. (lbs.)	1	5
84996	560-piece LEDs & LED hardware kit	5.0	\$59.95	\$53.95

LED & LED Hardware Assortment Kit

Allows you to mount LEDs for different applications and designs. Eliminates soldering, shrink tubing and terminal crimping.

- 139-piece hardware assortment kit for T1 and T1¼ LEDs
- Clear plastic case with dividers
- Size: 8.5"L x 4.5"W x 1.5"H



Part No.	Description	Wt. (lbs.)	1	10
418731	Design Engineer's LED hardware kit	0.4	\$24.95	\$23.95

*For additional products, availability, and additional specifications visit [Jameco.com](http://www.Jameco.com) and enter the web code in the product search box

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Component Cabinet Kits

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Most Popular Components with Extra Spaces for Customized Expansion

- Each kit includes drawer component cabinet (319600) and 20 plastic dividers (319611)
- Each kit has the most popular components in its category
- Each kit is designed for your specific expansion
- Includes identification labels for each drawer, with reorder numbers to replenish stock and blank adhesive labels for empty drawers
- Free standing or wall mountable cabinet • Weight of kits: 4.6 to 6.4 lbs.
- Cabinet size: 6.0"L x 15.0"W x 7.9"H • Drawer size: 5.5"L x 2.7"W x 1.5"H
- 20 clear plastic drawers (319601) and 20 dividers (319611) • Cabinet: ABS-black (P/N 319600 see pg 144)



* Web Code: CKS

7400 Series IC Kit

Includes 350 pcs. (30 Types) 7400 (TTL) Integrated Circuits

20 each	10 each	10 each	10 each	10 each	10 each
7400	7402	7416	7432	74121	74157
7404	7405	7417	7438	74123	74160
7406	7408	7420	7447	74132	74174
7407	7410	7427	7485	74151	74175
7414	7414	7430	74107	74153	74279

Part No.	Description	1	5
84953	350 pcs. 7400 series IC kit	\$219.95	\$199.95

74LS00 Series IC Kit

Includes 420 pcs. (35 Types) 74LS00 (TTL) Integrated Circuits

20 each	10 each	10 each	10 each	10 each
74LS00	74LS05	74LS73	74LS125	74LS193
74LS02	74LS10	74LS75	74LS139	74LS240
74LS04	74LS11	74LS85	74LS151	74LS244
74LS08	74LS14	74LS86	74LS155	74LS245
74LS32	74LS20	74LS90	74LS157	74LS273
74LS74	74LS30	74LS93	74LS174	74LS373
74LS138	74LS47	74LS123	74LS175	74LS374

84961	420 pcs. 74LS series IC kit	\$169.95	\$153.95
130391	Refill for 84961 (420 pcs.)	154.95	139.95

CD4000 Series (CMOS) IC Kit

Includes 300 pcs. (25 Types) CD 4000 Series Integrated Circuits

20 each	10 each	10 each	10 each	10 each
CD4001	CD4015	CD4024	CD4051	CD4093
CD4011	CD4016	CD4027	CD4069	CD4511
CD4013	CD4017	CD4040	CD4070	CD4538
CD4049	CD4020	CD4046	CD4071	CD4543
CD4066	CD4023	CD4050	CD4081	CD4584

84970	300 pcs. CD 4000 series IC kit	\$89.95	\$79.95
130403	Refill for 84970 (300 pcs.)	74.95	67.95

Linear IC Kit

Includes 480 pcs. (40 Types)

20 each	10 each	10 each	10 each	10 each
LM317T	TL072CP	LM337T	LF412CN	ULN2803A
LM324N	TL074CN	LF353N	LMC555CN	NE5532N
LM339N	TL082CP	LF356N	LM556N	7808T
LM741CN	TL084CN	LM358N	LM723CN	78L12CZ
LM555CN	MAX232CPE	LM386N-1	LM1458N	7815T
7805T	LM301N	LM386N-3	DS1488N	7905T
78L05CZ	LM308N	LM393N	DS1489N	7912CT
7812T	LM311N	LF411CN	ULN2003AN	7915CT

84988	480 pcs. (40 types) Linear IC kit	\$199.95	\$179.95
130411	Refill for 84988 (480 pcs.)	184.95	169.95

Transistor Kit

Includes 560 pcs. (20 Types)

100 each	10 each	10 each	10 each	10 each
2N3904	2N2222A	2N4401	MJE3055T	TIP31A
2N3906	2N2907A	2N4403	MPSA18	TIP32A
PN2222	2N3053	2N5401	MPSA06	TIP102
PN2907	2N3055	2N7000	MPSA13	TIP120

82595	560 pcs. Transistor kit	\$69.95	\$59.95
130374	Refill for 82595 (560 pcs.)	54.95	49.95

Diode and Rectifier Kit

Includes 420 pcs. (15 Types) Zener Switching & Silicon Rectifiers

100 each	10 each	10 each	10 each	10 each
1N914	1N270	1N4007	1N4735A	1N5408
1N4004	1N751A	1N4150	1N4742A	C106B1
1N4148	1N4001	1N4733A	1N5404	KBP04M

82587	420 pcs. Diode kit	\$44.95	\$39.95
130366	Refill for 82587 (420 pcs.)	29.95	26.95

1/8-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 Values) 1/8-Watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	390Ω	2.2kΩ	6.8kΩ	47kΩ	100Ω	4.7kΩ
47Ω	470Ω	2.7kΩ	15kΩ	470kΩ	220Ω	10kΩ
150Ω	680Ω	3.3kΩ	22kΩ	1MΩ	1kΩ	100kΩ
270Ω	1.5kΩ	5.1kΩ	27kΩ	10MΩ	—	—
330Ω	2KΩ	5.6kΩ	33kΩ	—	—	—

Part No.	Description	1	5
108329	540 pcs. 1/8-watt Resistor kit	\$29.95	\$26.95
108303	Refill for 108329 (540 pcs.)	14.95	13.49

1/4-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 Values) 1/4-Watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	390Ω	2.2kΩ	5.6kΩ	47kΩ	100Ω	4.7kΩ
47Ω	470Ω	2.2kΩ	15kΩ	470kΩ	220Ω	10kΩ
150Ω	680Ω	2.7kΩ	20kΩ	1MΩ	1kΩ	100kΩ
270Ω	1.2kΩ	3.3kΩ	22kΩ	10MΩ	—	—
330Ω	1.5kΩ	5.1kΩ	33kΩ	—	—	—

81832	540 pcs. 1/4-watt Resistor kit	\$29.95	\$26.95
103166	Refill for 81832 (540 pcs.)	14.95	13.49

1/2-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 Values) 1/2-Watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	390Ω	2.2kΩ	6.8kΩ	47kΩ	100Ω	4.7kΩ
47Ω	470Ω	2.7kΩ	15kΩ	470kΩ	220Ω	10kΩ
150Ω	680Ω	3.3kΩ	22kΩ	1MΩ	1kΩ	100kΩ
270Ω	1.5kΩ	5.1kΩ	27kΩ	10MΩ	—	—
330Ω	2kΩ	5.6kΩ	33kΩ	—	—	—

107879	540 pcs. 1/2-watt Resistor kit	\$39.95	\$34.95
107853	Refill for 107879 (540 pcs.)	24.95	22.49

1/2-Watt Single Turn Cermet Pot Kit

Includes 100 pcs. (8 Types)

10 each	10 each	10 each	10 each	10 each
63P500Ω	63P2kΩ	63P10kΩ	63P50kΩ	63P500kΩ
63P1kΩ	63P5kΩ	63P20kΩ	63P100kΩ	63P1MΩ

85032	100 pcs. single turn Pot kit	\$69.95	\$63.95
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3/4-Watt 15 Turn Cermet Pot Kit

Includes 100 pcs. (10 Values) 3/4-Watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 each
43P500Ω	43P2kΩ	43P10kΩ	43P50kΩ	43P500kΩ
43P1KΩ	43P5kΩ	43P20kΩ	43P100kΩ	43P1MΩ

85041	100 pcs. 15 turn Pot kit	\$79.95	\$71.95
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LEDs & Mounting Hardware Kit

Includes 560 pcs. (20 Types) LEDs and Mounting Hardware

100 each	10 each	10 each	10 each	10 each
23077	34673	104248	114681	114673
95513	14277	34690	104256	2006705
202471	34606	34711	104264	333569
2006730	11359	34657	34761	1995978

84996	560 pcs. LED & Hardware kit ...	\$59.95	\$53.95
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Switch Kit

Includes 150 pcs. (15 Types) Pushbutton, DIP & Toggle Switches

10 each	10 each	10 each	10 each	10 each
21910	21979	26358	26649	139012
21936	26315	26367	2076228	153252
21952	26332	26623	109171	38820

85059	150 pcs. Switch kit	\$99.95	\$89.95
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85059 (Switch Kit)

81841 (Capacitor Kit)

Spacers & Electronic Hardware Kit

Includes 2700 pcs. (27 Types) Spacer, Hex Nuts Flat, Tooth & Lock Washers and Slotted PH Screws

100 each	100 each	100 each	100 each	100 each	100 each
Spacers	Hex Nuts	Flat	Internal Tooth	Split Lock	PH Machine
—	2-56	#2	#2	2-56 x 1/4, 1/2	—
4-40	4-40	#4	#4	4-40 x 1/4, 1/2	—
6-32	6-32	#6	#6	6-32 x 1/4, 1/2	—
8-32	8-32	#8	#8	8-32 x 1/4, 1/2	—

Part No.	Description	1	5
108433	2700 pcs. Electronic Hardware kit ..	\$79.95	\$71.95

Monolithic Ceramic Capacitor Kit

Includes 280 pcs. (10 Types) 50V ±20% Monolithic Ceramic Caps.

100 each	10 each	10 each	10 each	10 each
.01μF	22pF	.001μF	.22μF	.47μF
.1μF	100pF	.047μF	.33μF	1μF

171475	280 pcs. Monolithic Cap. kit	\$34.95	\$31.95
171483	Refill for 171475 (280 pcs.)	19.95	17.95

Radial Electrolytic Capacitor Kit

Includes 240 pcs. (15 Values) Radial Electrolytic Capacitors

20 each	20 each	20 each	10 each	10 each
1μF @ 50V	3.3μF @ 50V	22μF @ 50V	100μF @ 50V	1000μF @ 16V
1μF @ 100V	4.7μF @ 50V	47μF @ 50V	220μF @ 25V	2200μF @ 25V
2μF @ 50V	10μF @ 50V	100μF @ 25V	470μF @ 25V	3300μF @ 25V

81867	240 pcs. Radial Capacitor kit	\$44.95	\$39.95
130331	Refill for 81867 (240 pcs.)	29.95	24.95

Axial Capacitor Kit

Includes 140 pcs. (10 Values) ±20% Axial Electrolytic Capacitors

20 each	20 each	10 each	10 each	10 each
1μF @ 50V	4.7μF @ 50V	47μF @ 50V	220μF @ 50V	1000μF @ 25V
2.2μF @ 50V	10μF @ 50V	100μF @ 50V	470μF @ 50V	2200μF @ 16V

81875	140 pcs. Axial Capacitor kit	\$44.95	\$39.95
130340	Refill for 81875 (140 pcs.)	29.95	26.95

Ceramic Disc Capacitor Kit

Includes 520 pcs. (10 Values) 50V Ceramic Disc Capacitors

100 each	100 each	20 each	20 each	20 each
.01μF	.047μF	10pF	47pF	470pF
.022μF	.1μF	22pF	100pF	.001μF

81859	520 pcs. Ceramic Capacitor kit	\$39.95	\$34.95
130232	Refill for 81859 (520 pcs.)	24.95	22.49

Mylar Capacitor Kit

Includes 280 pcs. (10 Values) 100V ±10% Mylar Capacitors

100 each	10 each	10 each	10 each	10 each
.01μF	.001μF	.022μF	.047μF	.47μF
.1μF	.0068μF	.033μF	.22μF	1μF

81883	280 pcs. Mylar Capacitor kit	\$39.95	\$34.95
130358	Refill for 81883 (280 pcs.)	24.95	22.49

Dipped Tantalum Capacitor Kit

Includes 150 pcs. (15 Values) ±20% Dipped Tantalum Capacitors

10 each	10 each	10 each	10 each	10 each
.1μF @ 35V	1μF @ 25V	3.3μF @ 25V	10μF @ 16V	22μF @ 16V
.22μF @ 35V	1μF @ 16V	4.7μF @ 35V	10μF @ 35V	33μF @ 25V
.47μF @ 25V	2.2μF @ 16V	6.8μF @ 35V	15μF @ 25V	47μF @ 25V

81841	150 pcs. Tantalum Capacitor kit ..	\$69.95	\$62.95
130260	Refill for 81841 (150 pcs.)	54.95	49.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



135271 - LEDs



18201 - LED Displays



2125616 - LED Indicators



18294 - Toy Motors



149649 - Fans



2133739 - Connectors



319600 - Cabinet

JAMECO ValuePro

• Opened grab bags are not returnable

• Use our 20-drawer cabinet w/ labels to store your components, P/N 319600

*Web Code: GBS

Shaded in brown on this page you will find Jameco's nine (9) most popular component Grab Bags. They are all individually bagged, and are combined to make up the Schwab's School Selection (P/N 163213).

Capacitors, Inductors and Chokes Assortments

Part No.	Product No.	Description	Wt. (lbs.)	1	10
17857	GB100	200 assorted ceramic disc capacitors	0.2	\$6.95	\$5.95
135335	GB100LB	900 assorted ceramic disc capacitors	1.0	19.95	17.95
17881	GB101	100 assorted mylar capacitors	0.3	7.95	6.95
135458	GB101LB	400 assorted mylar capacitors	1.0	19.95	17.95
17911	GB102	100 assorted electrolytic capacitors radial, axial, snap, 85°C, 105°C, ±20%	0.5	9.95	8.95
135394	GB102LB	300 assorted electrolytic capacitors radial, axial, snap (photo above)	1.0	19.95	17.95
17945	GB103	100 assorted tantalum capacitors (dipped epoxy and solid tubular)	0.1	9.95	8.95
2081342	GB200	100 assorted axial chokes & inductors	2.0	9.95	8.95

Bumpers and Rubber Feet Assortment

2081385	GB201	100 assorted bumpers & adhesive rubber feet		\$8.95	\$7.95
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Resistor and Resistor Network Assortments

134130	GB115	200 asst. 1/8, 1/4, 1/2 resistors (1,5&10%)	0.8	\$6.95	\$5.95
18104	GB116	200 assorted 1/4W resistors (1,5&10%)	0.1	6.95	5.95
135351	GB116LB	2000 assorted 1/4W resistors (1,5,8&10%)	0.8	29.95	26.95
18139	GB117	200 assorted 1/2W resistors (5&10%)	0.2	6.95	5.95
18163	GB118	200 asst. 1/8W resistor networks (2,5&8%) (8 & 10-pin SIP packages, 22Ω-150k)	0.3	4.95	4.49

Trimmers, Single and Multi-Turn Potentiometers

18075	GB113	100 assorted 1/10W to 1/5W trimmer pots (100Ω to 2MΩ values)	0.1	\$9.95	\$8.95
18278	GB174	100 asst. 1/4W to 3/4W linear, single & multi-turn pots (100Ω to 5MΩ assorted values)	0.2	14.95	13.49
135407	GB174LB	300 asst. 1/4W to 3/4W linear, single & multi-turn pots (100Ω to 5MΩ assorted values)	1.0	34.95	31.49

LEDs, Displays, Indicators, Photocells & Solar Cells

18041	GB110	100 assorted LEDs & lamps (T1 & T1¼ round and rectangular)	0.1	\$7.95	\$6.95
18323	GB186	500 assorted LEDs & lamps (#18041)	0.3	29.95	26.95
135271	GB110LB	1850 assorted LEDs & lamps (#18041)	1.0	79.95	69.95
18201	GB162	50 assorted sizes of colored displays (7-seg, LCD, dot-matrix, bar graph)	0.5	14.95	13.49
2125616	GB205	30 assorted LED indicators, panel mount, LED, neon, incandescent, volts/colors	0.8	12.95	11.49
169578	GB125	50 assorted values photocells	0.2	14.95	13.49
2113666	SC-GRAB	40 assorted size solar cells	0.1	9.95	8.95

Schwab's Electronic Component School Selection

Jameco's nine (9) most popular Grab Bags (highlighted on this page) are all individually bagged. North Dakota Engineer, Loren Schwab, recommended this selection of products as a standard item. He also recommended a 20-drawer component cabinet with labels (319600, see photo above) for storage.

\$91.55 Value

Includes: Ceramic and electrolytic capacitors, diodes, transistors, potentiometers, LEDs, 1/4W resistors, switches, spacers and standoffs.

Part No.	Product No.	Description	Wt. (lbs.)	1	10
163213	GB197	Schwab's School Selection	2.2	\$69.95	\$63.95
319600	6897CAB	20 drawer component cabinet	3.5	19.95	17.95

Integrated Circuits and IC Sockets

Part No.	Product No.	Description	Wt. (lbs.)	1	10
17996	GB108	100 assorted TTL DIP & SMD (SOIC) (74, 74ALS, 74HC, 74HCT, 74F, 74LS, 74S)	0.2	\$9.95	\$8.95
135280	GB108LB	400 assorted TTL series DIP & SMD (SOIC) (same as P/N 17996, above)	1.0	29.95	26.95
18024	GB109	100 assorted linear series (NSC, Motorola, TI) TO-3, 8 & 14-pin DIP, SOIC packages	0.1	12.95	11.49
145242	GB109LB	300 assorted linear series (NSC, Motorola, TI) TO-3, 8 & 14-pin DIP, SOIC packages	0.5	29.95	26.95
105620	GB120	100 assorted sockets (DIP, PGA, SIMM, SIP)	0.3	6.95	5.95
135386	GB120LB	300 assorted sockets (DIP, PGA, SIMM, SIP)	1.0	14.95	12.95

Diodes, Transistors and Crystals/Oscillators

17961	GB107	200 assorted diodes (zener, switching, silicon rectifiers)	0.1	\$9.95	\$8.95
18171	GB127	100 asst. transistors (NPN, PNP, power)	0.1	9.95	7.95
114446	GB150	100 assorted crystals/oscillators	0.2	7.95	6.95

Switches, Toy Motors, Gears and Fans

2133472	GB206	50 assorted DIP switches (2-12 position, low profile, slide, rocker, R/A, standard)	0.2	\$8.95	\$7.95
18235	GB165	50 assorted switches (toggle, pushbutton, rocker, slide, DIP)	0.4	9.95	8.95
135378	GB165LB	150 assorted #18235 switches	2.0	22.95	19.95
18294	GB182	5 assorted toy DC motors (1.5-24V)	0.5	7.95	6.95
1810072	GB210	10 pcs. gear set, plastic, black T10, 20, 30, 40, 50 with bushings	0.2	7.95	6.95
2134310	GB208	5 assorted 5VDC fans (sizes & cfm vary)	3.5	9.95	8.95
2134328	GB209	5 assorted 12VDC fans (sizes & cfm vary)	3.5	12.95	10.95
149649	GB193	5 assorted AC & DC fans (photo above) (5, 12, 24, 48VDC & 115VAC fans)	4.5	14.95	12.95

Spacer, Standoff and Terminal Assortments

55968	GB140	100 assorted 4-40, 6-32, 8-32 round/hex, aluminum/steel, spacers/standoffs	0.3	\$14.95	\$12.95
135423	GB140LB	300 assorted same as P/N 55968	1.0	29.95	26.95
2082118	GB203	100 assorted solderless terminals spade, ring, faston, butt, crimp types	0.2	7.95	6.95

Screw Hardware & Drill Bit Assortments

	Plastic	Steel	Brass	Aluminum		
171571	GB149	500 assorted types of screws, #2, 4, 6, 8 nuts, washers & lock washers	1.0	\$6.95	\$5.95	
171635	GB149LB	1400 asst. same as P/N 171571	3.2	15.95	14.95	
2082038	GB202	20 assorted drill bits 8 sizes: .021" (#75) thru .125" (#1/8)	0.3	19.95	18.49	

Molex/Tyco Style Headers and Connectors

2095138	GB204	100 asst. .079"/100 male headers straight, right angle, single and double row	0.3	\$9.95	\$8.95
2133739	GB207	100 asst. IDC, CMML, Mini-Fit JR/SR, power connectors, .100, .118, .165 straight & R/A	0.4	9.95	8.95

Surprise Electronic Component Grab Bag

Axial and radial electrolytics, monolithic, dipped silver mica and mylar capacitors, ICs, connectors, sockets, headers, thermistors, LEDs, resistor networks, diodes, standoffs, transistors, oscillators/resonators, inductors, crystals, resistors, pots and switches (hundreds)

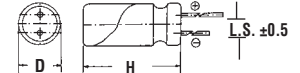
Best Seller!

Part No.	Product No.	Description	1	10
135263	GB191LB	Hundreds of asst. pieces electronic components	\$19.95	\$17.95

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

Aluminum Radial-Lead Polarized Electrolytic Capacitors (±20%) 85°C

Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† CROSS REFERENCES: Nichicon: LB/VX/USA/SR/SA/UVR; Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU

* Order in multiples of 10

* Order in multiples of 10

Part No.	Cross Ref. No.†	Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing			
						1	10	100	500
2151970	R0.1/50	JVP	0.1	50	5 x 11 x 5	*	\$.09	\$.07	\$.05
609043	UVR2A0R1MDD	JVP	0.1	100	5 x 11 x 2	*	.12	.09	.07
330465	RA0.47/50	JVP	0.47	50	5 x 11 x 2	*	.07	.05	.04
330431	RA1/25	JVP	1	25	5 x 11 x 2	*	.08	.06	.05
94161	5R1/50	JVP	1	50	4 x 5 x 1.5	*	.15	.12	.09
29831	R1/50	JVP	1	50	5 x 11 x 2	*	.08	.06	.04
29833	R1/50	JVP	1	50	5 x 11 x 2	*	.09	.07	.05
115423	R1/63	JVP	1	63	5 x 11 x 2	*	.15	.12	.09
93729	R2.2/50	JVP	2.2	50	5 x 11 x 2	*	.09	.07	.05
93731	R2.2/50	JVP	2.2	50	5 x 11 x 2	*	.10	.08	.06
135184	R3.3/50	JVP	3.3	50	5 x 11 x 2	*	.15	.12	.09
31000	R4.7/50	JVP	4.7	50	5 x 11 x 2	*	.09	.07	.05
31002	R4.7/50	JVP	4.7	50	5 x 11 x 2	*	.12	.09	.07
198839	R10J/16	JVP	10	16	5 x 11 x 2	*	.09	.07	.05
94212	5R10/25	JVP	10	25	4 x 5 x 1.5	*	.12	.09	.07
1946367	R10/25ATR	JVP	10	25	5 x 11 x 5	*	.09	.07	.05
94221	5R10/35	JVP	10	35	5 x 5 x 2	*	.12	.09	.07
29891	R10/50	JVP	10	50	5 x 11 x 2	*	.09	.07	.05
29893	R10/50	JVP	10	50	5 x 11 x 2	*	.15	.12	.09
330609	RA10/250	JVP	10	250	10 x 16 x 5	.39	.29	.25	.19
1946295	R22/16	JVP	22	16	5 x 12 x 5	*	.08	.06	.05
93739	R22/50	JVP	22	50	5 x 11 x 2	*	.09	.07	.06
1946316	R22/50TR	JVP	22	50	5 x 12 x 5	*	.09	.07	.06
2125587	R33/25	JVP	33	25	6.3 x 5.6 x 2.5	*	.15	.12	.09
93747	R33/50	JVP	33	50	6.3 x 11 x 2.5	*	.15	.12	.09
93746	R33/50RA	JVP	33	50	8 x 11 x 3.5	*	.15	.12	.09
1946244	R47/16TR	JVP	47	16	5 x 12 x 5	*	.09	.08	.07
198952	R47J/35	JVP	47	35	5 x 11 x 2	*	.12	.09	.07
31114	R47/50	JVP	47	50	6 x 11 x 2.5	*	.10	.08	.07
31116	R47/50	JVP	47	50	6.3 x 11 x 2.5	*	.15	.12	.09
330617	RA47/250	JVP	47	250	13 x 25 x 5	.59	.49	.39	.35
330676	RA47/450	JVP	47	450	18 x 30 x 7.5	1.25	1.09	.99	.89
1946261	R68/16TR	JVP	68	16	5 x 11 x 5	*	.15	.12	.09
330422	RA100/16	JVP	100	16	5 x 11 x 2	*	.12	.09	.07
94432	7R100/16	JVP	100	16	6 x 7 x 2.5	*	.10	.08	.06
94289	5R100/16	JVP	100	16	6.5 x 5 x 2.5	*	.17	.15	.12
93761	R100/25	JVP	100	25	6 x 11 x 2.5	*	.10	.08	.06
198970	R100J/35	JVP	100	35	6.3 x 11 x 2.5	*	.12	.09	.07
29962	R100/50	JVP	100	50	8 x 11 x 3.5	*	.12	.09	.07
29964	R100/50	JVP	100	50	8 x 11.5 x 3.5	*	.15	.12	.09

Note: Above case sizes may have ± tolerances "TR" at the end of Cross Ref. numbers are Tape and Reel

Part No.	Cross Ref. No.†	Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing			
						1	10	100	500
330529	RA100/100	JVP	100	100	10 x 17 x 5	*	\$.19	\$.15	\$.12
330580	RA100/160S	JVP	100	160	16 x 25 x 7.5	.69	.55	.45	.39
330625	RA100/250	JVP	100	250	16 x 31.5 x 7.5	.99	.89	.69	.59
330684	RA100/450	JVP	100	450	22 x 42.5 x 10.5	2.25	1.95	1.75	1.49
198872	R220J/16	JVP	220	16	6.3 x 11 x 2.5	*	.13	.11	.09
30496	R220/25	JVP	220	25	8 x 11 x 3.5	*	.12	.09	.07
93772	R220/35	JVP	220	35	8 x 12 x 3.5	*	.15	.12	.09
93778	R220/50	JVP	220	50	10 x 12 x 5	*	.15	.12	.09
609115	UVR2C221MHD	JVP	220	160	16 x 30 x 7.5	.85	.75	.65	.59
93796	R330/25	JVP	330	25	10 x 12 x 5	*	.15	.12	.09
198978	R330J/35	JVP	330	35	10 x 12.5 x 5	*	.19	.15	.12
330473	RA330/50	JVP	330	50	10 x 16 x 5	.35	.29	.25	.19
93809	R470/16	JVP	470	16	8 x 11 x 3.5	*	.13	.10	.08
93811	R470/16	JVP	470	16	8 x 11.5 x 3.5	.29	.25	.19	.15
31183	R470/25	JVP	470	25	10 x 12 x 3.5	.35	.25	.19	.15
31181	R470/25	JVP	470	25	10 x 12 x 5	*	.19	.15	.12
93817	R470/35	JVP	470	35	10 x 16 x 5	.29	.22	.17	.14
93819	R470/35	JVP	470	35	10 x 16 x 5	.45	.39	.35	.25
93827	R470/50	JVP	470	50	10 x 20 x 5	.39	.35	.25	.19
93825	R470/50	JVP	470	50	12 x 20 x 5	.39	.35	.25	.19
158465	R470B63	JVP	470	63	13 x 20 x 5	.59	.55	.45	.39
199102	R470J/100	JVP	470	100	16 x 25 x 7.5	.79	.69	.59	.49
330456	RA680/25S	JVP	680	25	8 x 16 x 3.5	1.15	.99	.85	.65
30015	R1000/16	JVP	1000	16	10 x 16 x 5	.25	.19	.15	.12
30017	R1000/16	JVP	1000	16	10 x 16 x 5	.35	.25	.19	.15
93833	R1000/25	JVP	1000	25	10 x 20 x 5	.39	.29	.25	.19
93835	R1000/25	JVP	1000	25	10 x 20 x 5	.45	.39	.29	.25
93841	R1000/50	JVP	1000	50	6.5 x 11.3 x 2.2	.59	.45	.35	.29
199111	R1000J/100	JVP	1000	100	18 x 41 x 7.5	1.49	1.35	1.09	.99
30533	R2200/25	JVP	2200	25	12 x 25 x 5	.69	.55	.45	.35
30535	R2200/25	JVP	2200	25	13 x 21 x 5	.75	.59	.49	.39
198986	R2200J/35	JVP	2200	35	16 x 25 x 7.5	.69	.55	.45	.39
608956	UVR1H222MHD	JVP	2200	50	16 x 30 x 7.5	.99	.85	.65	.55
198898	R3300J/16	JVP	3300	16	13 x 21 x 5	.75	.59	.49	.39
30893	R3300/25	JVP	3300	25	13 x 29 x 5	.85	.69	.59	.49
2135435	R3300-VR(M)	NIC	3300	50	18 x 35 x 7	1.09	.89	.75	.59
93850	R4700/25	JVP	4700	25	16 x 31 x 7.5	.95	.79	.65	.55
199006	R4700J/35	JVP	4700	35	18 x 35 x 7.5	1.49	1.25	1.09	.95
163301	R4700/50	JVP	4700	50	22 x 42 x 10	1.45	1.29	1.19	1.09
198935	R6800J/25	JVP	6800	25	18 x 35.5 x 7.5	1.09	.99	.85	.65

*Capacitor dimensions and styles may vary

Snap-Mount & Screw-Terminal Large-Can Aluminum Electrolytic Capacitors (±20%)

- Operating temperature range: (SNA & ECO) -40°C to +85°C; (SNB) -40°C to +105°C
- Can-Top safety vent

Part No.	Cross Ref. No.	Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing		
						1	10	100
203263	SNB470/400/5	JVP	470	450	35 x 49 x 9	\$5.95	\$5.49	\$4.95
115378	SNB4700/35	JVP	4700	35	23 x 40 x 9	2.49	2.25	1.75
331901	SNB6800/50	JVP	6800	50	25.2 x 42.4 x 9	3.95	3.59	3.19
157738	SNB10000/50	JVP	10000	50	35 x 40 x 12	4.95	4.49	3.95

Part No.	Cross Ref. No.	Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing		
						1	10	100
331716	SNA15000/25	JVP	15000	25	25 x 41 x 9	\$3.49	\$3.19	\$2.75
2151152	ECO-S1HP153DA	PAN	15000	50	30 x 50 x 10	4.95	4.49	3.95
2120022	SNB33000/50†	NIP	33000	50	35 x 117 x 13	6.95	5.95	4.95

*Capacitor dimensions and styles may vary † Screw terminals

* JVP = Jameco ValuePro | NIC = Nichicon | NIP = Nippon | PAN = Panasonic

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Electrolytic, Memory Back-Up & Ceramic Trimmer Capacitors

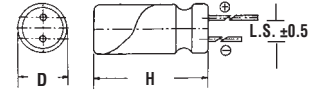
JAMECO ValuePro

Aluminum Radial-Lead Polarized Electrolytic Capacitors (±20%) 105°C

* Web Code: HAA

105°C – HT Type General Purpose

Leakage Current (20°C)	After 1 min. After 2 min.	0.03CV or 4μA, whichever is greater 0.01CV or 3μA, whichever is greater
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† CROSS REFERENCES: Nichicon: LB/VA/UX/SR/SA/UPW/UVZ/UHE; Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU

* Order in multiples of 10

Part No.	Cross Ref. No.†	Mir.	Value (μF)	Volts	Size (mm)* D x H x L.S.	Pricing			
						1	10	100	500
609545	UVZ1H0R1MDD	JVP	0.1	50	5 x 11 x 2	*	\$.12	\$.09	\$.07
330772	RB1/50	JVP	1	50	5 x 11 x 2	*	.12	.09	.07
158491	R1B100	JVP	1	100	5 x 11 x 2	*	.17	.15	.12
609959	UVZ2E010MED	JVP	1	250	8 x 11 x 3.5	.25	.22	.19	.15
609561	UVZ1H2R2MDD	JVP	2.2	50	5 x 11.5 x 2	*	.12	.09	.07
330781	RB4.7/50	JVP	4.7	50	5 x 11 x 2	*	.12	.09	.07
330692	RB10/16	JVP	10	16	5 x 11 x 2	*	.12	.09	.07
330799	RB10/50	JVP	10	50	5 x 11 x 2	*	.12	.09	.07
607849	UPW1H100MDD	JVP	10	50	5 x 11 x 2	*	.15	.12	.09
609641	UVZ1J100MDD	JVP	10	63	5 x 11 x 2	*	.17	.12	.09
610036	UVZ2W100MHD	JVP	10	450	13 x 21 x 5	.69	.55	.45	.35
158327	R22B35	JVP	22	35	5 x 11 x 2	*	.12	.09	.07
93737	RB22/50TR	JVP	22	50	6.5 x 8 x 2	*	.15	.12	.09
609650	UVZ1J220MDD	JVP	22	63	5 x 11 x 2	*	.15	.12	.09
609828	UVZ2C200MDD	JVP	22	160	10 x 15 x 5	.35	.29	.25	.19
609975	UVZ2E220MHD	JVP	22	250	13 x 20 x 5	.39	.35	.29	.25
608374	UPW2A330MPD6	JVP	33	100	8 x 15 x 3.5	*	.25	.19	.15
609502	UVZ1C470MDD	JVP	47	16	5 x 11 x 2	*	.10	.07	.05
1945428	R47/35	JVP	47	35	6.3 x 11 x 2	*	.12	.09	.07
330820	RB47/50	JVP	47	50	6.3 x 11 x 2.5	*	.15	.12	.09
2100241	RB47/100	JVP	47	100	10 x 16 x 5	*	.29	.25	.19
610010	UVZ2E470MHD	JVP	47	250	13 x 25 x 5	.69	.55	.45	.35
1946228	RB100/10	JVP	100	10	5 x 11 x 3.5	*	.12	.09	.07
330740	RB100/25	JVP	100	25	6.3 x 11 x 2.5	*	.13	.10	.08
158394	R100B50	JVP	100	50	8 x 11.5 x 3.5	*	.17	.15	.12
608032	UPL1J101MHH6	JVP	100	63	13 x 15 x 5	*	.19	.15	.12
609748	UVZ2A101MPD	JVP	100	100	10 x 20 x 5	.35	.29	.25	.19
2135443	R100-M	NIC	100	100	13 x 20 x 5	.29	.25	.19	.15
2159648	RB700/160	JVP	100	160	16 x 36 x 6	.59	.49	.39	.35
609967	UVZ2E101MHD	JVP	100	250	16 x 31 x 7.5	1.09	.99	.79	.59
2158426	RC120/400	JVP	120	400	16 x 35 x 7	1.95	1.75	1.49	1.25
608340	ECA1JF0151L	JVP	150	63	10 x 21 x 5	*	.12	.09	.07
606934	EEUFC1J181	JVP	180	63	10 x 20 x 5	*	.06	.045	.03
158263	R220B25	JVP	220	25	8 x 11 x 3.5	*	.17	.15	.12

* Capacitor dimensions and styles may vary

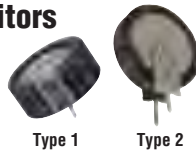
JAMECO ValuePro

Memory Back-Up Capacitors

Applications: • Back-up on CMOS microcomputers, static RAM, DTSS (digital tuning systems)
• Memory back-up of remote controllers

Features: • Voltage: 5.5VDC, 8VDC
• Small size vs. capacitance

* Web Code: SAB



Part No.	Cross Ref. No.	Type	Value (F)	Volts	Dia. x Thick x Pin (mm)	1	10	100
2082409	MBC.047/8	1	0.047	8	13.3 x 7.7 x 5.9	\$1.49	\$1.35	\$1.19
142949	MBC.22/5.5	1	0.22	5.5	13.2 x 6.8 x 5.3	2.95	2.75	2.49
142957	MBC1.0/5.5	1	1.0	5.5	19.8 x 7.5 x 5.3	3.95	3.49	2.95
227811	S5R5V105	2	1.0	5.5	18.8 x 5.1 x 5.8	3.95	3.49	2.95
2162599	F5R5U155	1	1.5	5.5	20.5 x 7.1 x 5.5	3.49	2.95	2.49

JAMECO ValuePro

SMD Capacitor Assortment Kits

* Web Code: CKS

Now you can have all your SMD capacitor values clearly sorted and organized.
24 different values and 50 pieces of each value.

• Capacitance range: 1pF to 1μF • Volt. range: 10V to 50V

Part No.	Description	1	5	25
2169416	0603 size SMD capacitor kit	\$29.95	\$26.95	\$23.95
2169408	0805 size SMD capacitor kit	34.95	31.95	28.95

* JVP = Jameco ValuePro | NIC = Nichicon | PAN = Panasonic | SAM = Samsung

* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

* Order in multiples of 10

Part No.	Cross Ref. No.†	Mir.	Value (μF)	Volts	Size (mm)* D x H x L.S.	Pricing			
						1	10	100	500
93770	R220/35	JVP	220	35	10 x 16 x 5	*	\$.17	\$.15	\$.12
606820	UHE1H221MPD	JVP	220	50	10 x 16 x 5	.39	.35	.25	.19
609721	UVZ1V331MPD	JVP	330	35	10 x 16 x 5	*	.19	.15	.12
158203	R470B16	JVP	470	16	8 x 11 x 3.5	*	.19	.15	.12
2126459	R470/16TR	JVP	470	16	10 x 13 x 5	*	.12	.09	.07
158289	R470B25	JVP	470	25	10 x 16 x 5	.29	.25	.19	.15
606740	UHE1E471MPD6	JVP	470	25	10 x 17 x 5	.29	.25	.19	.15
606854	UHE1H471MPD	JVP	470	50	13 x 20 x 5	.45	.35	.29	.22
2133430	EEU-FN1C681L	PAN	680	16	8 x 21 x 2.5	.39	.35	.25	.19
2129781	CEM01V681M1321BB	SAM	680	35	13 x 21 x 4	.59	.49	.39	.29
606871	UHE1H681MHD	JVP	680	50	13 x 28 x 5	.85	.65	.49	.39
607355	UPWDI821MPD	JVP	820	6.3	14.5 x 8.2 x 3.5	.39	.35	.29	.25
606432	UHE0J102MPD	JVP	1000	6.3	8 x 14 x 3.5	*	.19	.15	.12
607363	UPW1A102MPD	JVP	1000	10	8 x 20 x 3.5	.49	.45	.39	.35
330722	RB1000/16	JVP	1000	16	10 x 20 x 5	.39	.35	.25	.19
158298	R1000B25	JVP	1000	25	10 x 17 x 5	.49	.39	.35	.25
158378	R1000B35	JVP	1000	35	13 x 21 x 5	.59	.55	.39	.29
609553	UVZ1H102MHD	JVP	1000	50	13 x 25 x 5	.59	.49	.39	.35
606627	UHE1C122MPD	JVP	1200	16	10 x 24 x 5	.45	.39	.35	.29
607232	UPW0J152MPD	JVP	1500	6.3	10 x 20 x 5	.39	.35	.29	.25
607398	UPW1A152MPD6	JVP	1500	10	10 x 20 x 5	.39	.35	.29	.25
607742	UPW1E152MHD6	JVP	1500	25	12.5 x 25 x 5	.55	.49	.45	.39
607873	UPW1H152MHD	JVP	1500	50	16 x 30 x 7.5	.75	.69	.65	.59
606467	UHE0J182MHD	JVP	1800	6.3	10 x 20 x 5	.35	.25	.19	.15
607751	UPW1E182MHD	JVP	1800	25	13 x 25 x 5	.75	.69	.59	.45
609342	UVZ0J222MPD	JVP	2200	6.3	10 x 20 x 5	.39	.35	.29	.25
606563	UHE1A222MPD	JVP	2200	10	10 x 24 x 5	.45	.39	.35	.25
609705	UVZ1V222MHD	JVP	2200	35	16 x 26 x 7.5	.69	.65	.49	.39
158432	R2200B50	JVP	2200	50	16 x 30 x 7.5	.99	.79	.65	.55
608278	UPW1V332MHD	JVP	3300	35	18 x 33 x 7.5	1.25	1.09	.89	.69
609588	UPW0J332MPD	JVP	3300	50	18 x 36 x 7.5	1.49	1.25	1.05	.85
607814	UPW1E472MHD	JVP	4700	25	18 x 39 x 7.5	1.09	.99	.79	.59
2125641	R5600B16	NIC	5600	16	16 x 40 x 7.5	.49	.39	.29	.19
609473	UVZ1C103MHD	JVP	10000	16	18 x 41 x 7.5	1.25	1.09	.99	.75

* Capacitor dimensions and styles may vary

JAMECO ValuePro

Ceramic Trimmer Capacitors

* Web Code: PBZ

5mm (.197")

- Working voltage: 200VDC
- Withstand volt.: 400VDC
- Turning torque: 35–200 g-cm
- Q Factor @ 1MHz: >200
- Oper. temp. range: -30°C ~ +85°C
- Insulation resis.: >10MΩ min. @ 250VDC

Part No.	Capacitance Range (pF)	Color Code	1	10	100	1000
136979	9.0–50.0	Green	\$.89	\$.79	\$.69	\$.59

8mm (.315")

- Working voltage: 250VDC
- Withstand volt.: 550VDC
- Turning torque: 40–200 g-cm
- Q Factor @ 1MHz: >300
- Operating temperature range: -55°C ~ +85°C
- Insulation resistance: 10MΩ min. @ 250VDC

Part No.	Capacitance Range (pF)	Color Code	1	10	100	1000
134818	3.5–13.0	Ivory	\$.59	\$.49	\$.39	\$.29
32839	4.0–34.0	Yellow	1.25	1.09	.99	.89
32855	6.0–70	Nil	.99	.89	.79	.65
94449	8.5–100	Purple	1.09	.99	.89	.75
94466	8.5–120	Nil	1.25	1.09	.99	.89

* Suppression Capacitors — Enter Web Code SNC

3 LEVELS OF SAVINGS
NAME BRANDS HOUSE BRANDS FACTORY OVERRUN

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Electrolytic, Dipped Tantalum & Ceramic Capacitors

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN

JAMECO ValuePro Aluminum Axial-Lead Electrolytic Capacitors (±20%) 85°C

*Web Code: GAA

Operating temperature range	-40°C to +85°C
Leakage Current (After 2 minutes 20°C)	0.02CV or 2μA, whichever is greater

* Order in multiples 10

Part No.	Product No.	Value (μF)	Voltage	Size (mm) * D x H	Pricing			
					1	10	100	500
10868	A1/50	1	50V	5 x 12	\$.25	\$.19	\$.15	\$.12
10866	A1/50	1	50V	5 x 13	*	.19	.15	.12
93569	A2.2/50	2.2	50V	6 x 13	*	.19	.15	.12
11076	A4.7/50	4.7	50V	6 x 13	*	.19	.15	.12
1946199	A10/16	10	16V	4 x 7	*	.15	.12	.085
10882	A10/50	10	50V	6 x 12	*	.19	.15	.12
331425	AB10/450	10	450V	13 x 25	.75	.69	.65	.59
199268	A22J/25	22	25V	6 x 12.5	*	.19	.15	.12
331433	AB22/450	22	450V	16 x 26.5	1.95	1.75	1.49	1.25
135319	A47/25	47	25V	8 x 16	.35	.29	.25	.22
11105	A47/50	47	50V	8 x 16	.45	.35	.29	.25
199188	A100J/16	100	16V	6 x 12.5	*	.19	.15	.12
93551	A100/35	100	35V	8 x 16	.35	.25	.22	.15
10913	A100/50	100	50V	8 x 16	.39	.35	.29	.25
10911	A100/50	100	50V	8 x 20	.35	.29	.25	.19
331417	AB100/250	100	250V	18 x 39	1.29	.99	.79	.69
2150811	A220/16	220	16V	10 x 21	*	.19	.15	.12
11019	A220/50	220	50V	10 x 17	.55	.45	.35	.29

*Capacitor dimensions and styles may vary



Part No.	Product No.	Value (μF)	Voltage	Size (mm) * D x H	Pricing			
					1	10	100	500
199217	A470J/16	470	16V	8 x 17	\$.39	\$.35	\$.29	\$.25
199381	A470J/35	470	35V	10 x 21	.45	.39	.35	.29
11123	A470/50	470	50V	13 x 22	.85	.69	.59	.49
10956	A1000/25	1000	25V	10 x 20	.85	.69	.59	.49
10954	A1000/25	1000	25V	13 x 31	.69	.55	.45	.35
93651	A1000/35	1000	35V	13 x 22	.69	.59	.49	.39
93649	A1000/35	1000	35V	13 x 26	.89	.75	.65	.55
147256	A1000/50	1000	50V	16 x 31	.95	.75	.59	.49
11033	A2200/16	2200	16V	16 x 40	.95	.75	.65	.55
93658	A2200/35	2200	35V	16 x 30	1.25	1.09	.99	.79
199479	A2200J/50	2200	50V	18 x 33	1.75	1.49	1.25	1.08
2144972	A3300/16	3300	16V	16 x 26	.59	.49	.39	.29
93666	A3300/25	3300	25V	16 x 30	.85	.75	.65	.55
199487	A3300J/50	3300	50V	22 x 43	2.25	1.95	1.75	1.49
93673	A4700/25	4700	25V	10 x 17	2.39	2.19	1.95	1.69
158650	A4700A25	4700	25V	22 x 50	1.29	1.15	.99	.89
158811	A4700A50	4700	50V	22 x 43	2.25	1.95	1.75	1.49
93681	A10000/16	10000	16V	22 x 51	1.75	1.49	1.25	1.09

*Capacitor dimensions and styles may vary

JAMECO ValuePro Resin Dipped Solid Tantalum Capacitors (±10%)

*Web Code: VAE

- Operating temperature range: -55°C to +85°C (+125°C with derating)
- Exceptional temperature stability
- Flame retardant coating
- Designed for entertainment and commercial equipment
- Rated voltage DC: ≤ +85°C
- Moisture-resistant
- Low leakage current

* Order in multiples 10

Part No.	Product No.	Value (μF)	Volt (V)	Size (mm) * D x H x L.S.	Pricing			
					1	10	100	500
545561	TAP104K035SCS	.10	35	4.0 x 6.0 x 2.5	\$.39	\$.32	\$.25	\$.19
33488	TM.1	.10	35	4.5 x 7.0 x 2.5	.39	.32	.25	.19
33486	TM.1/35	.10	35	4.5 x 7.0 x 5.2	.32	.25	.19	.15
33507	TM.22/35	.22	35	4.5 x 7.0 x 5.0	.39	.32	.25	.19
33523	TM.33/35	.33	35	4.5 x 7.0 x 2.5	.32	.25	.19	.15
33525	TM.33	.33	35	4.5 x 7.0 x 2.5	.39	.32	.25	.19
33533	TM.47	.47	35	4.5 x 7.0 x 2.5	.39	.32	.25	.19
33531	TM.47/35	.47	35	4.5 x 7.0 x 2.7	.35	.29	.25	.19
546142	TAP684K050SCS	.68	50	4.3 x 7.0 x 2.5	.35	.29	.25	.19
545588	TAP105K025SCS	1	25	4.3 x 7.0 x 2.5	.39	.32	.25	.19
154862	TM1/25	1	25	4.5 x 7.0 x 2.5	.35	.29	.25	.19
154860	TM1/25	1	25	4.5 x 7.0 x 4.7	.32	.25	.19	.15
545596	TAP105K035SCS	1	35	4.3 x 7.0 x 2.5	.39	.32	.25	.19
33662	TM1/35	1	35	4.5 x 7.0 x 2.7	.35	.29	.22	.17
545609	TAP105K050SCS	1	50	4.7 x 7.5 x 2.5	.65	.59	.49	.35
94001	TM2.2/16	2.2	16	4.5 x 7.0 x 4.7	.32	.25	.19	.15
33736	TM2.2/35	2.2	35	5.0 x 8.0 x 2.5	.39	.35	.29	.25
545932	TAP335K016SCS	3.3	16	4.3 x 7.0 x 2.5	.35	.29	.25	.19
545941	TAP335K025SCS	3.3	25	4.3 x 7.0 x 2.5	.45	.35	.29	.22
94035	TM4.7/16	4.7	16	5.0 x 8.0 x 2.5	.35	.29	.22	.17
546071	TAP475K025SCS	4.7	25	4.3 x 7.0 x 2.5	.55	.45	.35	.29
546089	TAP475K035SCS	4.7	35	4.7 x 7.5 x 2.5	.59	.49	.39	.32
33806	TM4.7/35	4.7	35	5.5 x 9.5 x 2.5	.49	.39	.32	.25
546185	TAP685K025SCS	6.8	25	4.7 x 7.5 x 2.5	.35	.29	.25	.19

*Capacitor dimensions and styles may vary

Note: Above case sizes may have ± tolerances

Part No.	Product No.	Value (μF)	Volt (V)	Size (mm) * D x H x L.S.	Pricing			
					1	10	100	500
33873	TM6.8/35	6.8	35	6.5 x 9.0 x 4.7	\$.45	\$.35	\$.29	\$.22
545625	TAP106K010SCS	10	10	4.7 x 7.5 x 2.5	.49	.39	.32	.25
94060	TM10/16	10	16	4.6 x 7.5 x 3.2	.49	.39	.32	.25
94062	TM10/16	10	16	5.0 x 8.0 x 2.5	.55	.45	.35	.29
545633	TAP106K020SCS	10	20	5.4 x 8.0 x 2.5	.45	.35	.29	.25
545641	TAP106K025SCS	10	25	5.4 x 8.0 x 2.5	.55	.45	.35	.29
94080	TM10/25	10	25	5.5 x 9.5 x 2.5	.65	.55	.45	.35
94078	TM10/25	10	25	5.5 x 9.5 x 2.8	.59	.49	.39	.35
545650	TAP106K035SCS	10	35	5.4 x 8.0 x 2.5	1.15	.95	.79	.65
33689	TM10/35	10	35	6.5 x 11.0 x 4.7	.99	.89	.75	.65
33719	TM15/25	15	25	4.5 x 8.0 x 2.5	.79	.65	.49	.39
33751	TM22/6.3	22	6.3	4.7 x 7.5 x 2.5	*	.15	.12	.09
545852	TAP226K016SCS	22	16	5.4 x 8.0 x 2.5	.69	.55	.45	.35
94094	TM22/16	22	16	5.5 x 9.5 x 4.1	.55	.45	.35	.29
545879	TAP226K025SCS	22	25	6.0 x 9.4 x 2.5	1.75	1.49	1.25	.99
33785	TM33/25	33	25	8.5 x 13.0 x 4.7	1.75	1.49	1.25	.99
546100	TAP476K010SCS	47	10	6.0 x 9.4 x 2.5	.75	.65	.55	.39
94123	TM47/16	47	16	5.2 x 8.2	1.49	1.25	.99	.79
546118	TAP476K016SCS	47	16	6.0 x 9.4 x 2.5	1.75	1.49	1.25	.99
33822	TM47	47	25	9.5 x 16.5 x 2.5	1.59	1.35	1.15	.99
33700	TM100/35	100	6.3	8.5 x 13.0 x 4.7	.75	.69	.65	.59
597450	TAP107K016SCS	100	16	7.0 x 11.0 x 2.5	2.25	1.95	1.75	1.49
545684	TAP107K020SCS	100	20	8.2 x 12.5 x 2.5	2.95	2.75	2.49	2.25
545772	TAP157K010SCS	150	10	7.0 x 11 x 2.5	.75	.69	.65	.59

*Capacitor dimensions and styles may vary

Note: Above case sizes may have ± tolerances

JAMECO ValuePro Axial Leaded Ceramic Capacitors (±5, ±10, ±20 or ±100%)

*Web Code: ACC

50, 100 and 200 Volt, NPO, X7R and Z5U Temperature

* Order in multiples 10

Part No.	Product No.	*Mfr. Value (V)	Temp Co-eff.	Tol.	Pricing		
					1	10	100
546265	SA102A101JAA	JVP 100pF	20	NPO	5	\$.12	\$.09
546281	SA105A102JAA	JVP 1000pF	50	NPO	5	.09	.07
546249	SA101C102KAA	JVP 1000pF	100	X7R	10	.09	.07
1069763	SA101C222KAA	AVX 2200pF	100	X7R	10	.19	.17

* Order in multiples 10

Part No.	Product No.	*Mfr. Value (V)	Temp Co-eff.	Tol.	Pricing		
					1	10	100
546290	P10R103K5	JVP 0.01μF	50	X7R	10	\$.12	\$.09
536542	P20R104K5	JVP 0.1μF	50	X7R	10	.39	.35

* AVX = AVX Corp. | JVP = Jameco ValuePro

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Ceramic Capacitors & Resonators

JAMECO ValuePro Ceramic Disc Capacitors ($\pm 5\%$, $\pm 10\%$ or $\pm 20\%$)

*Web Code: HBW

25, 50, 500 and 1000 Volt, Z5U Temperature Coefficient

- Dielectric withstanding voltage: 2.5 times rated volt. for not < 1 sec.
- Operating temp. range: +10°C to +85°C
- Capacitance change over temp. range: +22% to -56%

* Order in multiples of 10

Part No.	Product No.	Mfr.	Value	Volt (V)	Tol.	Dia. (mm)	Pricing				
							1	10	100	1000	5000
332291	CD3.3/1000	JVP	3.3pF	1000	20	5	*	.12	.07	.06	.05
15333	DC10	JVP	10pF	50	20	5	*	.09	.05	.04	.03
332312	CD10/1000	JVP	10pF	1000	20	6	*	.12	.07	.06	.05
332322	CD20/1000	JVP	20pF	1000	20	5	*	.12	.07	.06	.05
15405	DC22	JVP	22pF	50	20	6	*	.09	.05	.04	.03
15407	DC22	JVP	22pF	50	20	6	*	.09	.05	.04	.03
332217	CD33/50	JVP	33pF	50	20	5	*	.09	.05	.04	.03
1947010	DC33TR	JVP	33pF	100	10	5	*	.12	.07	.06	.05
1947028	DC33ATR	JVP	33pF	500	5	5	*	.13	.11	.09	.07
15512	DC47	JVP	47pF	50	20	5	*	.10	.08	.06	.05
1947036	DC47TR	JVP	47pF	500	5	6	*	.15	.13	.10	.08
15552	DC68	JVP	68pF	50	5	8	*	.09	.05	.04	.03
15341	DC100	JVP	100pF	50	20	5	*	.09	.05	.04	.03
1947044	DC100TR	JVP	100pF	100	10	8	*	.12	.07	.06	.05
2162741	DC100/500	JVP	100pF	500	20	18	*	.12	.07	.06	.05
332363	CD120/1000	JVP	120pF	1000	20	5	*	.12	.07	.06	.05
15413	DC220	JVP	220pF	50	20	5	*	.09	.05	.04	.03
1947132	DC220TR	JVP	220pF	50	5	8	*	.09	.05	.04	.03
2162767	DC220/1000	JVP	220pF	1000	10	7	*	.12	.09	.06	.05
1947301	DC330TR	JVP	330pF	100	20	5	*	.12	.07	.06	.05
15528	DC470	JVP	470pF	50	20	5	*	.09	.05	.04	.03
1947319	DC470TR	JVP	470pF	100	20	5	*	.09	.07	.05	.03
2162732	DC680	JVP	680pF	1000	10	9	*	.12	.07	.06	.05
2162759	DC820	JVP	820pF	1000	20	7	*	.12	.07	.06	.05
15190	DC.001	JVP	.001pF	50	20	6	*	.09	.05	.04	.03
15192	DC.001	JVP	.001pF	50	20	6	*	.10	.07	.06	.05
1947394	DC.001ATR	JVP	.001pF	500	20	4	*	.15	.09	.08	.07

NEW
MARKED IN PINK



* Order in multiples of 10

Part No.	Product No.	Mfr.	Value	Volt (V)	Tol.	Dia. (mm)	Pricing				
							1	10	100	1000	5000
1947415	DC.001BTR	JVP	.001pF	500	10	7	*	.19	.12	.10	.08
332436	CD1000/1000	JVP	.001pF	1000	20	5	*	.12	.09	.07	.05
1947327	DC.0022TR	JVP	.0022pF	25	20	4	*	.07	.05	.03	.02
1947386	DC.0022ATR	JVP	.0022pF	500	20	7	*	.15	.09	.08	.07
332443	CD2200/1000	JVP	.0022pF	1000	20	6	*	.19	.15	.12	.10
1947407	DC.0033	JVP	.0033pF	500	20	9	*	.15	.09	.08	.07
2159883	DC.0033/1000	JVP	.0033pF	1000	20	7	*	.19	.15	.12	.09
15211	DC.0047	JVP	.0047pF	50	20	6	*	.09	.05	.04	.03
1947335	DC.0047TR	JVP	.0047pF	100	20	5	*	.09	.07	.05	.04
15229	DC.01	JVP	.01pF	50	20	6	*	.09	.05	.04	.03
15231	DC.01	JVP	.01pF	50	20	6	*	.10	.06	.05	.04
97375	DC.01/1K20	JVP	.01pF	1000	20	6	*	.19	.15	.12	.09
97377	DC.01/1K20	JVP	.01pF	1000	20	8	*	.25	.19	.15	.12
1936898	S103M47Z5U63K0	VSH	.01pF	1000	20	10	*	.49	.39	.29	.25
332487	CD20000/1000	JVP	.02pF	1000	20	16	*	.55	.45	.35	.29
15245	DC.022	JVP	.022pF	50	20	8	*	.15	.10	.06	.05
1947351	DC.047B	JVP	.047pF	25	20	7	*	.09	.07	.05	.03
15253	DC.047	JVP	.047pF	50	20	8	*	.12	.09	.07	.05
332507	CD50000/1000	JVP	.05pF	1000	20	16	*	.59	.49	.39	.35
151116	DC.1/25	JVP	.1pF	25	20	6	*	.13	.11	.09	.07
151118	DC.1/25	JVP	.1pF	25	20	6	*	.15	.12	.10	.08
2146302	DC.1-5MM	JVP	.1pF	50	20	5	*	.15	.12	.09	.07
15270	DC.1	JVP	.1pF	50	20	8	*	.19	.15	.12	.09
2146311	SC45YV1H104Z	JVP	.1pF	50	20	10	*	.19	.15	.12	.09
15272	DC.1	JVP	.1pF	50	20	8	*	.29	.25	.19	.15
332516	CD100000/1000	JVP	.1pF	1000	20	21	*	.59	.49	.39	.35

TR at the end of Product Number are Tape and Reel

JAMECO ValuePro Monolithic Radial Ceramic Capacitors ($\pm 5\%$, $\pm 10\%$ or $\pm 20\%$)

Applications:

- Data processing
- Communications engineering

*Web Code: JBW

NPO (COG) Series ($\pm 5\%$)

- Operating temp. range: -55°C to +125°C

* Order in multiples of 10

Part No.	Product No.	Mfr.	Value	Volt (V)	Size (mm)* W x T x H x L.S.	Pricing				
						10	100	1000	5000	
2159816	B37986N5102K1	JVP	1nF	63	4.7 x 1.7 x 6.1 x 2.6	.15	.09	.07	.05	
332523	COG10/100	JVP	10pF	100	4.0 x 2.0 x 3.2 x 5.1	.19	.12	.08	.07	
332541	COG22/100	JVP	22pF	100	3.6 x 2.3 x 3.6 x 2.5	.19	.12	.08	.07	
2080323	RD15CG-390M	PDC	39pF	50	4.0 x 2.0 x 3.6 x 2.5	.19	.12	.08	.07	
332567	COG47/100	JVP	47pF	100	3.8 x 2.0 x 3.3 x 2.5	.19	.12	.08	.07	

X7R Series ($\pm 10\%$)

- Operating temp. range: -55°C to +125°C

*Web Code: JBX

* Order in multiples of 10

Part No.	Product No.	Mfr.	Value	Volt (V)	Size (mm)* W x T x H x L.S.	Pricing				
						1	10	100	1000	5000
332583	MOC100/100	JVP	100pF	100	5.0x5.0x3.0x2.5	*	.19	.12	.08	.07
332612	MOC470/100	JVP	470pF	100	5.0x5.0x3.0x2.5	*	.19	.12	.08	.07
544825	SR151C102KAA	JVP	1000pF	100	3.8x2.5x3.8x2.5	*	.19	.12	.08	.07
544833	SR151C103KAA	JVP	.01pF	100	3.8x2.5x3.8x2.5	*	.25	.15	.09	.08
597281	SR211C103KAA	JVP	.01pF	100	3.8x2.5x3.8x5.1	*	.25	.15	.09	.08
332647	MOC10000/100	JVP	.01pF	100	5.0x5.0x3.0x2.5	*	.25	.15	.09	.08
332655	MOC22000/100	JVP	.022pF	100	5.0x5.0x3.0x2.5	*	.25	.15	.09	.08
544905	SR211C333KAA	JVP	.033pF	100	3.8x2.5x3.8x5.1	*	.25	.15	.09	.08
544913	SR211C473KAA	JVP	.047pF	100	3.8x2.5x3.8x5.1	*	.25	.15	.09	.08
544921	SR215C104KAA	JVP	.1pF	50	3.8x2.5x3.8x5.1	*	.15	.12	.09	.07
544884	SR211C104KAA	JVP	.1pF	100	3.8x2.5x3.8x5.1	*	.19	.12	.09	.07
332672	MOC100000/100	JVP	.1pF	100	5.0x5.0x3.0x2.5	*	.25	.15	.12	.09
544948	SR305C474KAA	JVP	.47pF	50	3.8x2.5x3.8x5.1	.55	.45	.39	.35	.29

* Capacitor dimensions and styles may vary † $\pm 20\%$ Note: Above case sizes may have \pm tolerances

Z5U Series ($\pm 20\%$)

- Operating temp. range: +10°C to +85°C

* Order in multiples of 10

Part No.	Product No.	Mfr.	Value	Volt (V)	Size (mm)* W x T x H x L.S.	Pricing			
						1	10	100	1000
81543	MD10	JVP	10pF	50	3.5 x 2 x 3 x 2.5	*	.15	.12	.09
81533	MD22	JVP	22pF	50	4 x 2 x 4 x 5.1	*	.15	.12	.09
81525	MD100	JVP	100pF	50	3.3 x 2 x 3 x 2.5	*	.15	.12	.09
81517	MD.001	JVP	.001pF	50	4.5 x 2 x 3 x 2.5	*	.15	.12	.06
138202	MD.0047	JVP	.0047pF	50	3.3 x 2.2 x 5.5 x 4.6	*	.15	.12	.09
25507	MD.01	JVP	.01pF	50	3.5 x 2 x 3 x 2.5	*	.19	.15	.12
57621	MD.047	JVP	.047pF	50	2.5 x 2.5 x 3 x 2.5	*	.19	.15	.10
25525	MD.1	JVP	.1pF	50	3.4 x 2.2 x 3.6 x 5.1	*	.25	.19	.15
544868	SR205E104MAA	JVP	.1pF	50	4.0 x 2.6 x 3.8 x 2.5	*	.19	.15	.10
2162581	C322C104M5U5CA	KMT	.1pF	50	4.5 x 2.3 x 3.6 x 5	*	.19	.15	.12
25523	MD.1	JVP	.1pF	50	6 x 2 x 4 x 5.1	*	.19	.15	.10
25540	MD.22	JVP	.22pF	50	6 x 2 x 4.5 x 5.1	*	.25	.19	.15
138237	MD.33	JVP	.33pF	50	6 x 2 x 8 x 5.1	*	.25	.19	.15
544930	SR215E334MAA	JVP	.33pF	50	3.8 x 2.5 x 3.8 x 5.1	*	.25	.19	.15
25558	MD.47	JVP	.47pF	50	4.5 x 2.5 x 4.5 x 5.1	.39	.29	.19	.15
81509	MD.1	JVP	.1pF	50	6 x 3 x 7 x 5.1	.49	.39	.29	.25
544956	SR305E105MAA	JVP	.1pF	50	3.8 x 2.5 x 3.8 x 5.1	.49	.39	.29	.25

* Capacitor dimensions and styles may vary

Note: Above case sizes may have \pm tolerances

JAMECO ValuePro Ceramic Resonators

- Frequency accuracy: $\pm 0.5\%$ @ 25°C
- Extended temp. range: -20°C to +85°C
- Withstanding volt. (5 sec): 100V max.

*Web Code: CRS



Part No.	Product No.	Frequency	Resistance	Pins	1	10	100
324727	TZTT-8.00MT	8.0MHz	25Ω	3	.39	.35	.29
324672	TZTT-20.00MT	20.0MHz	55Ω	3	.49	.45	.39

* JVP = Jameco ValuePro | KMT = Kemet | PDC = Prosperity Dielectric Co. | VSH = Vishay

* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Capacitors, Varistors, Thermistors & Photocells

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN

JAMECO ValuePro Dipped Silver Mica Capacitors (±5%)

Metalized Polyester Film

- Case type: DM15 • Lead space: 0.23"
- Operating temp. range: -55° to +125°C
- Tolerance: ±5%

* Web Code: HAB



Part No.	Product No.	Value	Volt. (V)	Size (mm) L x T x H*	1	10	100	1000
15991	DM100	10pF	500	11 x 4 x 9	\$.69	\$.65	\$.59	\$.55
16037	DM220	22pF	500	11 x 4 x 9	\$.69	\$.65	\$.59	\$.49
16096	DM470	47pF	500	11 x 4 x 9	\$.75	\$.69	\$.65	\$.55
16002	DM101	100pF	500	11 x 4 x 9	\$.75	\$.69	\$.65	\$.55
16088	DM331	330pF	500	11 x 4 x 9	\$.95	\$.85	\$.75	\$.59
16109	DM471	470pF	500	11 x 4 x 9	1.49	1.25	1.09	.99
531266	CD19FD681J03	680pF	500†	15 x 4 x 10	1.25	1.09	.95	.75
16011	DM102	1000pF	100	11 x 4 x 9	1.65	1.59	1.45	1.25

* Capacitor dimensions and styles may vary † Manufacturer: Cornell Dubille

Metalized Polyester Film Mylar Capacitors (±10%)

- Non-inductive construction
- Operating temp. range: -40°C to +85°C
- Dissipation factor: 0.01 (at 1kHz)
- Dielectric strength: 150% of rated volt. for 5 sec.



JAMECO ValuePro

* Web Code: KKWJ

* Order in multiples of 10

Part No.	Product No.	Value (µF)	Volt. (V)	Size (mm)* L x T x H x L.S.	Pricing			
					1	10	100	1000
26833	MY.001	.001	100	7.0 x 3.0 x 7.0 x 5.1	*	\$.12	\$.09	\$.07
1946164	MY.0068	.0068	100	5.5 x 2.5 x 10 x 5.1	*	\$.09	\$.07	\$.05
26884	MY.01	.01	100	6.0 x 3.0 x 7.0 x 5.1	*	\$.17	\$.15	\$.12
207837	MY.018/50	.018	50	6.1 x 2.6 x 11.3 x 5.1	*	\$.07	\$.05	\$.035
26905	MY.022	.022	100	6.0 x 3.0 x 10 x 5.1	*	\$.17	\$.15	\$.12
26921	MY.033	.033	100	8.0 x 4.0 x 11 x 16.1	*	\$.19	\$.17	\$.15
26930	MY.047	.047	100	8.0 x 4.0 x 12 x 5.1	*	\$.19	\$.15	\$.12
1946172	MY.068	.068	100	8.6 x 4.0 x 11 x 7.6	*	\$.15	\$.12	\$.09
26956	MY.1	.1	100	12.5 x 5.0 x 9.5 x 7.6	\$.29	\$.22	\$.17	\$.14
93921	MY.1/250	.1	250	12.5 x 5.5 x 10 x 10.1	\$.29	\$.22	\$.17	\$.14
26972	MY.22	.22	100	12.5 x 5.5 x 10 x 7.6	\$.29	\$.22	\$.17	\$.14
1946181	MY.22SM	.22	100	12.5 x 5.0 x 8.5 x 10.1	*	\$.15	\$.12	\$.09
93964	MY.33/250	.33	250	18 x 7.0 x 12.5 x 15.2	\$.35	\$.29	\$.25	\$.19
26999	MY.47	.47	100	18 x 6.0 x 11.5 x 16.1	\$.49	\$.39	\$.35	\$.25
27001	MY1	1.0	100	18 x 7.5 x 14 x 15.2	\$.59	\$.49	\$.39	\$.35
2129852	MKT368†	6.8	100	27 x 10 x 18 x 22	\$.65	\$.59	\$.49	\$.35
93981	MY1/250	1.0	250	26 x 9.0 x 16 x 15.2	\$.69	\$.65	\$.55	\$.45
93999	MY2.2/250	2.2	250	26 x 9.0 x 16 x 27.9	\$.99	\$.79	\$.65	\$.55

* Capacitor dimensions and styles may vary † Manufacturer: Vishay

* Motor Capacitors — Enter Web Code MCS

* Trimmer Capacitors — Enter Web Code XQQ

* Resin Molded Solid Tantalum Chip Capacitors — Enter Web Code WAE

JAMECO ValuePro Cadmium Sulfide (CdS) Photocells

- Generate variable signal based on detection of light levels
- Operating temperature: -30°C to +70°C
- Soldering: 230°C for 3 seconds

Applications: Auto-focus lenses, exposure meters, contrast controls for TVs, dimmer or light switches, flame detectors, electronic toys, street lamp switches, optocouplers

Part No.	Cross Ref. No.	Rating		Resistance (Ω)		Size (inches)		Lead Spacing (inches)	Lead Length (inches)	Pricing			
		Vp	mW	Dark	Light	A	B			1	10	100	500
202366	CDS0029001	150	90	300k	4k	0.14	0.17	0.10	1.02	\$1.49	\$1.35	\$1.19	\$.95
120310	CDS0029004	150	90	2M	27k	0.14	0.17	0.10	1.44	1.49	1.35	1.19	.95
202391	CDS0029203	150	90	10M	5k	0.14	0.17	0.10	1.02	1.49	1.35	1.19	.95
202382	CDS0029008	150	90	20M	10k	0.14	0.17	0.10	1.02	1.49	1.35	1.19	.95
202403	CDS0018001	150	100	200k	3k	0.17	0.20	0.13	1.02	1.15	.99	.89	.79
202420	CDS0018003	150	100	500k	16k	0.17	0.20	0.13	1.02	1.15	.99	.89	.79
202411	CDS0018006	150	100	5M	80k	0.17	0.20	0.13	1.02	1.15	.99	.89	.79
120301	CDS0037001	200	150	300k	3k	0.25	0.29	0.20	1.02	1.49	1.35	1.19	.95
202438	CDS0037004	200	150	500k	15k	0.25	0.29	0.20	1.02	1.49	1.35	1.19	.95
120299	CDS0045001	350	400	300k	8k	0.37	0.43	0.30	1.44	1.79	1.59	1.45	1.19
202454	CDS0045003	350	400	1M	12k	0.37	0.43	0.30	1.44	1.79	1.59	1.45	1.19

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Panasonic® Metallized Film Capacitors (±5%)

V Series — Stacked

- Operating temp. range: -40°C to 85°C
- Low dissipation factor: 1% max.

* Web Code: KKWJ

Order in multiples of 10

Part No.	Mfr. Part No.	Value (µF)	Voltage	Dimensions (mm) W x H x Th. x L.S.	Pricing		
					10	100	500
2159808	B32693A3152J20	.0015	2500	25.5 x 9.2 x 5.7 x 22	\$.19	\$.15	\$.12
920510	ECQ-V1H104JL	.1	50	7.3 x 4 x 5 x 5	.19	.15	.12
920595	ECQ-V1H474JL	.47	50	7.3 x 6 x 7.3 x 5	.25	.22	.17

* SMD Aluminum Electrolytic Capacitors — Enter Web Code BCE

* Multilayer Ceramic Chip Capacitors — Enter Web Code MCD

JAMECO ValuePro Radial Leaded Varistors

LA Equivalent Series

- Recognized as transient voltage surge suppressors
- Designed to be operated continuously across AC power lines
- No derating up to 85°C ambient
- UL/CSA/VDE approved

* Web Code: CEF

* Order in multiples of 10

Part No.	Product No.	Continuous Voltage		Transient Energy Joules	Max. Clamping Voltage V _c	I _{PK(A)}	Pricing		
		V _{M(AC)}	V _{M(DC)}				1	10	100
34446	V130LA10A	130	175	38	340	50	\$.39	\$.35	\$.29
34462	V130LA20A	130	175	70	340	100	.59	.55	.49
667059	V130LA20B	130	200	140	340	100	.59	.55	.49
1776054	V150LA10A	150	200	45	395	50	*	.19	.15
667121	V150LA20A	150	240	170	395	100	.45	.39	.35
34471	V250LA20	250	330	72	650	50	.39	.35	.29
2126221	V275L40A	275	369	140	710	100	*	.19	.15

JAMECO ValuePro NTC Thermistors

- Typical applications: temperature measurement/control/compensation; power supply fan control; PCB temperature monitoring
- Max. allowable power (@ 250°C): 0.55W
- Thermal dissipation factor: 6.5mW/°C (@ 250°C)
- Resistance value allowable difference: 10%

* Web Code: RBG

Part No.	Product No.	Resistance (Ω @ 25°C)	B Constant (25/50°C >10%)	Temp. Coef. @25°C (%/°C)	Pricing		
					1	10	100
207521	NTC-101	100	3100	-3.5	\$.59	\$.55	\$.45
207511	NTC-201	200	3100	-3.5	.59	.55	.45
207483	NTC-102	1k	3800	-4.3	.59	.55	.45
207466	NTC-302	3k	3900	-4.4	.59	.55	.45
207441	NTC-502	5k	3900	-4.4	.59	.55	.45
207037	NTC-103	10k	4100	-4.6	.59	.55	.45
1871852	NTS40XH103FE180	10k†	3434	-4.6	.99	.89	.79
207002	NTC-503	50k	4200	-4.7	.59	.55	.45
206991	NTC-104	100k	4400	-4.9	.59	.55	.45
206982	NTC-1204	200k	4500	-5.1	.59	.55	.45

† Manufacturer: Murata

* Web Code: CBG

JAMECO ValuePro

1/8-Watt Carbon Film Resistor ($\pm 5\%$) Assortment

★ Web Code: DCR

Part No.	Cross Ref.	Values	Description (see chart, right)	1	5
108303	ASST1830	\times #	10 ea. of 24 values marked by \times and 50 ea. of 6 values marked below by # (540 pcs.)	\$14.95	\$13.49
108329	CAB182R	See description	1/8 watt resistor component cabinet kit 30 values (540 pcs.) see page 32	29.95	26.95

1/8-Watt Resistor Assortment Values (Ohms)

10 \times	150 \times	330 \times	680 \times	2.0k \times	3.3k \times	5.6k \times	15k \times	33k \times	470k \times
47 \times	220 #	390 \times	1.0k #	2.2k \times	4.7k #	6.8k \times	22k \times	47k \times	1.0M \times
100 #	270 \times	470 \times	1.5k \times	2.7k \times	5.1k \times	10k #	27k \times	100k #	10M \times

JAMECO ValuePro

1/4-Watt Carbon Film Resistors ($\pm 5\%$) RoHS★ 1/4-Watt Carbon Film Resistor 10-Packs ($\pm 5\%$) — Enter Web Code TPRAssortment Pricing: 1/4-Watt Carbon Film Resistors ($\pm 5\%$)

Assortments may not be combined for quantity price breaks

Part No.	Cross Ref. No.	Values Included	Description (see chart below)	Pricing		
				1	5	50
10720	ASST8-R	—	5 ea. 70 values (350 pcs.)	\$10.95	\$9.95	\$8.95
2131039	K/RES-E12	■	10 ea. 61 values (610 pcs.)	11.95	10.95	9.95
103166	ASST30-R	● \times	10 ea. 24 values marked ● and 50 ea. 6 values marked \times (540 pcs.)	14.95	13.49	11.95
10664	ASST27-R	▲	100 ea. 27 values marked (2,700 pcs.)	34.95	31.49	28.95
81832	—	—	1/4-watt resistor cabinet kit 30 values, see pg 32 (540 pcs.)	29.95	26.95	24.95

Single Value Resistor Pricing: 1/4-Watt Carbon Film Resistors ($\pm 5\%$)

To order: Use part number adjacent to ohms in chart below.

Values may not be combined for quantity price breaks.

Pricing per Resistor (Please order in increments of 100)			
Specify Part No. & Resistor Value	100	1000	5000
(see Standard Resistor Values Chart below)	\$.04	\$.03	\$.02

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
690216	2.2	690427	15	690620	100	690822	680	691024	4.7k	691227	33k	691420	220k	691622	1.5M
690224	2.4	690435	16	690638	110	690831	750	691032	5.1k	691235	36k	691438	240k	691631	1.6M
690232	2.7	690443	18	690646	120	690849	820	691041	5.6k	691243	39k	691446	270k	691639	1.8M
690241	3.0	690451	20	690654	130	690857	910	691059	6.2k	691251	43k	691454	300k	691649	2.0M
690259	3.3	690460	22	690662	150	690865	1.0k	691067	6.8k	691260	47k	691462	330k	691657	2.2M
690267	3.6	690478	24	690671	160	690873	1.1k	691075	7.5k	691278	51k	691471	360k	691665	2.4M
690275	3.9	690486	27	690689	180	690881	1.2k	691083	8.2k	691286	56k	691489	390k	691673	2.7M
690283	4.3	690494	30	690697	200	690890	1.3k	691091	9.1k	691294	62k	691497	430k	691681	3.0M
690291	4.7	690507	33	690700	220	690902	1.5k	691104	10k	691307	68k	691500	470k	691690	3.3M
690304	5.1	690515	36	690718	240	690911	1.6k	691112	11k	691315	75k	691518	510k	691702	3.6M
690312	5.6	690523	39	690726	270	690929	1.8k	691121	12k	691323	82k	691526	560k	691711	3.9M
690321	6.2	690531	43	690734	300	690937	2.0k	691139	13k	691331	91k	691534	620k	691737	4.7M
690339	6.8	690540	47	690742	330	690945	2.2k	691147	15k	691340	100k	691542	680k	691745	5.1M
690347	7.5	690558	51	690751	360	690953	2.4k	691155	16k	691358	110k	691551	750k	691753	5.6M
690363	8.2	690566	56	690769	390	690961	2.7k	691163	18k	691366	120k	691569	820k	691761	6.2M
690371	9.1	690574	62	690777	430	690970	3.0k	691171	20k	691374	130k	691577	910k	691770	6.8M
690380	10	690582	68	690785	470	690988	3.3k	691180	22k	691382	150k	691585	1.0M	691788	7.5M
690398	11	690591	75	690793	510	690996	3.6k	691198	24k	691391	160k	691593	1.1M	691796	8.2M
690401	12	690603	82	690806	560	691008	3.9k	691201	27k	691403	180k	691606	1.2M	691809	9.1M
690419	13	690611	91	690814	620	691016	4.3k	691219	30k	691411	200k	691614	1.3M	691817	10M

JAMECO ValuePro

1/2-Watt Carbon Film Resistors ($\pm 5\%$)

★ Web Code: SCH

Assortment Pricing: 1/2-Watt Carbon Film Resistors ($\pm 5\%$)

Assortments may not be combined for quantity price breaks

Part No.	Cross Ref. No.	Values Included	Description (see chart below)	1	5
107853	ASST1230	\times #	10 ea. of 24 values marked by 7 and 50 ea. of 6 values marked by # (540 pcs.)	\$24.95	\$22.49
107845	ASST1227	✓	100 ea. of 27 values marked by 4 (2,700 pcs.)	39.95	36.95
107837	ASST1270	see description	5 ea. of 70 values (every other value from 10 Ω - 5.6M Ω) (350 pcs.)	12.95	11.95
107879	CAB12R	see description	1/2-watt resistor component cabinet kit - 30 values (540 pcs.), see page 32	39.95	34.95

Single Resistor Value Pricing: 1/2-Watt Carbon Film Resistors ($\pm 5\%$)

To order: Use part number adjacent to ohms in chart below.

Values may not be combined for quantity price breaks.

Pricing Per Resistor (Please order in increments of 100)			
Specify Part No. & Resistor Value	100	1000	5000
(see Standard Resistor Values Chart below)	\$.05	\$.04	\$.03

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659577	1.0	659868	16	661280	120	661440	560	661600	2.7k	661781	13k	661950	68k	662215	820k
659614	1.5	659884	20	661301	150	661466	680	661618	3.0k	661790	15k	661976	82k	662231	1.0M
659657	2.2	659892	22	661327	180	661474	750	661634	3.3k	661811	18k	661992	100k	662240	1.1M
659673	2.7	661124	27	661335	200	661482	820	661642	3.6k	661829	20k	662004	110k	662282	1.6M
659737	4.7	661141	33	661343	220	661503	1.0k	661651	3.9k	661837	22k	662039	150k	662291	1.8M
659788	7.5	661183	47	661351	240	661520	1.2k	661677	4.7k	661845	24k	662071	220k	662311	2.2M
659809	9.1	661191	51	661360	270	661538	1.3k	661685	5.1k	661853	27k	662098	270k	662320	2.4M
659817	10	661204	56	661378	300	661546	1.5k	661693	5.6k	661870	30k	662119	330k	662362	3.6M
659825	11	661221	68	661386	330	661554	1.6k	661714	6.8k	661896	33k	662127	360k	662397	4.7M
659833	12	661239	75	661407	390	661562	1.8k	661731	8.2k	661909	43k	662135	390k	662426	6.2M
659841	13	661247	82	661423	470	661571	2.0k	661757	10k	661917	47k	662151	470k	662469	9.1M
659850	15	661263	100	661431	510	661589	2.2k	661773	12k	661933	56k	662186	620k	662477	10M

★ For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

3 LEVELS OF SAVINGS
NAME BRANDS HOUSE BRANDS FACTORY OVERRUN

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

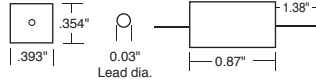
Resistors, Chokes, Inductors & Potentiometers

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACILITY OVERRUN

5-Watt Wirewound Resistors (5%)

Horizontal Mount/Axial Lead

- Temperature range: -55°C to +155°C
- Moisture resistant
- High temperature stability
- Exceptionally small, sturdy and reliable



See resistor value chart on right	1	10	100	500
Pricing	\$.49	\$.45	\$.39	\$.35

Dual-In-Line "DIP" Resistor Networks ±2% (G)

16-Pin (140mW/Resistor) ±2%

- Max. operating voltage: 100V
- Temp. coefficient: ±100ppm/°C
- Operating temperature: -55°C to +125°C
- Insulation res.: 10,000MΩ min.

* Order in multiples of 10

	1	10	100	500
Pricing	\$.59	\$.55	\$.49	\$.45
Orange Pricing	*	.19	.15	.12

* Web Code: GAP

Part No.	Ohms	Part No.	Ohms
108556	100	108599	1.0k
856095	120	87601	* 1.0k
108564	220	108610	4.7k
108572	330	108628	10k
108581	470	855914	↑ 100k

* Bussed ↑ 14-pin pkg.

0805 (1/8W) Chip Resistor Assortment (±5%) * Web Code: CKS

144 Values, 50 pcs. each

- 7,200 pieces total
- Max. overload volt.: 200V
- Case size (2 cases): 10.5"L x 6.7"W x 1.7"T
- Operating temp.: 70°C
- Weight: 1.9 lbs.
- Size (mm): 2.0L x 1.25W x 0.5Thick

Includes: Case with labels

Part No.	Product No.	1	5	25
172806	16-500	\$79.95	\$69.95	\$59.95

Resistance Value Chart:

2.2	12	91	510	3.0k	16k	75k	470k	2.7M
2.4	20	100	560	3.3k	18k	82k	510k	3.0M
2.7	22	120	620	3.6k	20k	91k	560k	3.3M
3.0	24	150	680	3.9k	22k	100k	620k	3.6M
3.3	27	160	750	4.3k	24k	120k	680k	3.9M
3.9	30	180	820	4.7k	27k	150k	750k	4.3M
4.3	33	200	910	5.1k	30k	160k	820k	4.7M
4.7	39	220	1.0k	5.6k	33k	180k	910k	5.1M
5.1	43	240	1.2k	6.2k	36k	200k	1.0M	5.6M
5.6	47	270	1.5k	6.8k	39k	240k	1.2M	6.2M
6.2	51	300	1.6k	7.5k	43k	270k	1.5M	6.8M
6.8	56	330	1.8k	8.2k	47k	300k	1.6M	7.5M
7.5	62	360	2.0k	9.1k	51k	330k	1.8M	8.2M
8.2	68	390	2.2k	10k	56k	360k	2.0M	9.1M
9.1	75	430	2.4k	12k	62k	390k	2.2M	10M
10	82	470	2.7k	15k	68k	430k	2.4M	

* SIP Resistor Networks — Enter Web Code WRN

* 1/4-Watt 1% Metal Film Resistors — Enter Web Code MFR

Jameco ValuePro Chokes

J. W. Miller Series Equivalents

Part No.	Cross Ref. No.	Description	Inductance Value (μH) ±10%	Pricing		
				1	10	100
208194	CEC-101J	Conformal coated choke	100	*	\$.19	\$.15
642492	5300-25J	Conformal coated RF choke	100	.55	.39	.29
642601	5800-101J	High current axial RF choke	100	.69	.55	.39
208240	CEC-102J	Conformal coated choke	1000	.35	.29	.25
642695	5800-102J	High current axial RF choke	1000	.69	.55	.39
642724	5800-472J	High current axial RF choke	4700	.69	.55	.39
642741	5800-103J	High current axial RF choke	10000	.69	.55	.39
642927	5900-103J	High current axial RF choke	10000	.99	.79	.59

* Order in multiples of 10

Bourns® 2W 22mm 10-Turn Wirewound Precision Pots

- Insulation resistance @ 500VDC: 1000MΩ (Bourns), 100MΩ (JVP)
- Operating temperature range: +1°C to +125°C (Bourns), -55°C to +125°C (JVP)
- Power ratings: 2W @ 70°C (3540S series); 2W @ 40°C (3590S series)
- Solder lug panel mount
- Plastic bushings

* Web Code: JBE

Plastic bushings		Jameco ValuePro				Bourns®			
Ohms	Series	Part No.	1	10	100	Part No.	1	10	100
1k	3540S	2177846	\$12.95	\$11.95	\$10.95	1967740	\$17.95	\$16.95	\$15.95
1k	3590S	2177504	10.95	9.95	8.95	771112	12.95	11.95	10.95
5k	3540S	2111880	12.95	11.95	10.95	183548	17.95	16.95	15.95
5k	3590S	2177512	10.95	9.95	8.95	2063283	12.95	11.95	10.95
5k	3590S*	2178161	10.95	9.95	8.95	855818	12.95	11.95	10.95
10k	3540S	2177854	12.95	11.95	10.95	183521	17.95	16.95	15.95
10k	3590S	2177521	10.95	9.95	8.95	771121	12.95	11.95	10.95
10k	3590S*	1946535	10.95	9.95	8.95	771155	12.95	11.95	10.95
100k	3540S	2177862	12.95	11.95	10.95	2066716	17.95	16.95	15.95
100k	3590S	2177539	10.95	9.95	8.95	771139	12.95	11.95	10.95

* Metal bushings

NEW MARKED IN PINK



855818

Honeywell 1/2" Square, 0.5 Watt Series 308 Potentiometers

- Single conductive plastic, 0.5W
- 0.125" Dia. x 0.181"L
- Smooth shaft with slotted end
- Effective rotation: 265° (±5°)
- Electrical rotation: 295° (±5°)
- Linearity: ±5% independent

Part No.	Mfr. Part No.	Resistance	1	10	50
2125405	308N10K	10kΩ	\$2.49	\$2.25	\$1.95

Pocket Trim Potentiometer Adjustment Tool

- Glass-filled body
- Stainless steel blade

Part No.	Description	Size	1	10	100
153315	Trimmer tool	5.2"L	\$1.95	\$1.75	\$1.49

125mW SIP Bussed Conformal Coated Resistor Network

* Web Code: WRN



Part No.	Pins	Ohms	Tol. (±%)
268032	6	10k	2
2077802	8	8.2k	5
97826	8	10k	2
97851	10	330	2
97869	10	470	2
97877	10	1.0k	2
97893	10	2.2k	2
24660	10	4.7k	2

	1	10	100
Pricing	\$.29	\$.25	\$.19

Part No.	Pins	Ohms	Tol. (±%)
24643	10	10k	2
2077714	10	10k	5
2078080	10	10k	5
98095	10	100k	2

1206 (1/4W) Chip Resistor Assortment (±1%) * Web Code: CKS

56 Values, 200 pcs. each; 11,200 pcs. Total

- Maximum working voltage: 200V
- Operating temp.: 70°C
- Temp. coefficient: ±100 ppm/°C
- Resistor dimensions (mm): 3.10L x 1.5 W x 0.55H
- Packaged 200 pc. strip



Value Chart (Ohms)

10	121	1.5k	20k	243k
12.1	150	2.2k	24.3k	301k
15	200	2.43k	30.1k	392k
20	243	3.01k	39.2k	499k
24.3	301	3.92k	49.9k	619k
30.1	392	4.99k	61.9k	750k
39.2	499	6.19k	75k	909k
49.9	619	7.5k	90.9k	1M
61.9	750	9.09k	100k	
75	909	10k	121k	
90.9	1k	12.1k	150k	
100	1.21k	15k	200k	

Part No.	Cross Ref. No.	1	5	25
156882	SMR1206SB	\$99.95	\$89.95	\$74.95

* RC Series 1% SMD Thick Film Resistors — Enter Web Code SMF

* RC Series 5% SMD Thick Film Resistors — Enter Web Code THF

Jameco ValuePro High-Current Toroid Inductors

J. W. Miller 2100 Series Value Equivalents

- Low radiation
- Low core loss
- Operating temperature: -55°C to +105°C

* Web Code: KBY

Part No.	Cross Ref.	Description	L(μH) @ 1kHz	1	10	100
371549	2105-H	Horizontal	22	\$.39	\$.35	\$.29
371581	2109-H	Horizontal	47	1.19	.95	.85
371856	2112-V	Vertical	100	1.19	.95	.85
371872	2114-V	Vertical	150	1.19	.95	.85
371952	2122-V	Vertical	680	.49	.45	.39
371979	2124-V	Vertical	1000	1.19	.95	.85



RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN

JAMECO ValuePro Cermet Trimmer Potentiometers

★ Web Code: TDF

NEW
MARKED IN PINK

Bourns®, Vishay/Spectrol Series Equivalents

- Resistance tolerance: $\pm 10\%$
- Absolute minimum resistance: 2 Ω
- Insulation resistance: 1000M Ω min. (500VDC)
- Temperature range: -55°C to 125°C

3266 Series

• 1/4 watt, 1/4" square, 12-turn top adjustment

Part No.	Series	Value (Ω)	1	10	100
254642	3266W	1k	\$1.75	\$1.49	\$1.25
254669	3266W	5k	1.75	1.49	1.25
254677	3266W	10k	1.75	1.49	1.25
254714	3266W	100k	1.75	1.49	1.25
1156381	3266X	5k	1.49	1.25	.99

3329 Series

• 1/2 watt, 1/4" round, single-turn top adjustment

Part No.	Series	Value (Ω)	1	10	100
854452	3329H	2k	.99	.89	.75
854487	3329H	20k	.99	.89	.75
854567	3329H	50k	1.29	1.15	.99
2133667	3329H	500k	.75	.65	.59
95441	3329P	1k	1.29	1.15	.99
96719	3329P	10k	1.29	1.15	.99
95484	3329P	100k	.99	.89	.79

3362 Series • 1/2 watt, 1/4" square, single-turn

Part No.	Series*	Value (Ω)	1	10	100
770371	3362H	10k	\$.95	\$.85	\$.75
182810	3362P	500	.95	.75	.65
253982	3362P	1k	.95	.75	.65
182829	3362P	5k	.95	.75	.65
182837	3362P	10k	.95	.75	.65
254002	3362P	20k	.75	.65	.55
254028	3362P	50k	.95	.75	.65
254036	3362P	100k	.95	.75	.65
254044	3362P	500k	.95	.75	.65
254115	3362P	1M	.95	.75	.65
2133771	3362U-1-102	1k	.79	.69	.59
2133780	3362U-1-105	1M	.69	.59	.49
254175	3362W	1k	.75	.65	.55
254204	3362W	10k	.75	.65	.55
769080	3362X-1-502	1M	.69	.59	.49

*H, P & U: top adjustment; X & W: side adjustment

Bourns® 3386 Series, Vishay/Spectrol 63 Series

• 1/2 watt, 3/8" square, single-turn

Part No.	Series*	Value (Ω)	1	10	100
43123	3386P	500	\$1.35	\$1.25	\$1.09
42964	3386P	1k	1.35	1.25	1.09
43043	3386P	2k	1.35	1.25	1.09
43078	3386P	5k	1.35	1.25	1.09
43001	3386P	10k	1.35	1.25	1.09
2162775	72XLR (3386C)†	20k	.99	.89	.79
43051	3386P	20k	1.35	1.25	1.09
254377	3386P	25k	1.35	1.25	1.09
43107	3386P	50k	1.35	1.25	1.09
43027	3386P	100k	1.35	1.25	1.09
43060	3386P	300k	.99	.89	.75
63212	3386P	500k	1.35	1.25	1.09
42981	3386P	1M	1.35	1.25	1.09
105216	3386P	2M	.75	.59	.49
241445	3386W	5k	.95	.85	.75
241454	3386W	10k	.95	.85	.75
771024	3386X	100	.45	.35	.25

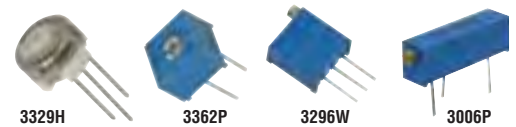
*P: top adjustment; W & X: side adjustment †In-line front adj.

Bourns® 3296 Series, Vishay/Spectrol 64 Series

• 1/2 watt, 3/8" rectangular, 25-turn

Part No.	Series*	Value (Ω)	1	10	100
2037982	3296P	1k	\$1.49	\$1.35	\$1.09
769354	3296P	5k	1.25	1.09	.99
853513	3296P	10k	1.49	1.35	1.09
769362	3296P	50k	1.49	1.35	1.09
769320	3296P	1M	1.49	1.35	1.09
853759	3296W	500	1.95	1.75	1.49
853556	3296W	1k	1.95	1.75	1.49
853775	3296W	5k	1.95	1.75	1.49
853572	3296W	10k	1.95	1.75	1.49
853679	3296W	20k	1.95	1.75	1.49
853791	3296W	50k	1.95	1.75	1.49
853599	3296W	100k	1.95	1.75	1.49
240750	3296Y	1k	1.49	1.35	1.19
240777	3296Y	5k	1.49	1.35	1.19
240427	3296Y	10k	1.49	1.35	1.19
240470	3296Y	100k	1.49	1.35	1.19

*P: side adjustment; W & Y: top adjustment



3299 Series

• 1/2 watt, 3/8" square, 25-turn top adjustment

Part No.	Series	Value (Ω)	1	10	100
241104	3299W	500	\$1.49	\$1.25	\$1.09
241111	3299W	1k	1.75	1.49	1.35
241139	3299W	5k	1.75	1.49	1.35
240602	3299W	10k	1.75	1.49	1.35
241146	3299W	10k	1.75	1.49	1.35
238633	3299W	20k	1.75	1.49	1.35
241189	3299W	100k	1.75	1.49	1.35
241219	3299W	1M	1.75	1.49	1.35

Bourns® 3006 Series, Vishay/Spectrol 43 Series

• 3/4 watt, 3/4" rectangular, 15-turn side adjustment

Part No.	Series	Value (Ω)	1	10	100
241242	3006P	200	\$1.65	\$1.49	\$1.25
41937	3006P	500	1.65	1.49	1.25
241269	3006P	1k	1.65	1.49	1.25
241270	3006P	1k	1.65	1.49	1.25
41865	3006P	2k	1.65	1.49	1.25
241278	3006P	2k	1.65	1.49	1.25
41890	3006P	5k	1.65	1.49	1.25
241286	3006P	5k	1.65	1.49	1.25
41822	3006P	10k	1.65	1.49	1.25
241294	3006P	10k	1.65	1.49	1.25
41873	3006P	20k	1.65	1.49	1.25
241307	3006P	20k	1.65	1.49	1.25
241323	3006P	50k	1.65	1.49	1.25
41849	3006P	100k	1.65	1.49	1.25
241332	3006P	100k	1.65	1.49	1.25
63001	3006P	200k	1.65	1.49	1.25
41953	3006P	500k	1.65	1.49	1.25
241374	3006P	1M	1.65	1.49	1.25

★ Membrane Sensor/Potentiometers — Enter Web Code MEM

JAMECO ValuePro Instrumentation Knobs (1/4" Shaft Diameters)

NEW
MARKED IN PINK

★ Web Code: EBD



Part No.	Product No.	Body	Pointer	H" x Dia."	Fig.	1	10	100
265009	JK-902B	Black	White	.60 x .95	1	\$.99	\$.89	\$.79
264998	JK-902A	Black	White	.69 x 1.31	1	.99	.89	.79
264990	JK-901D	Black/alum	White	.47 x .78	2	.95	.85	.75
264955	JK-901C	Black/alum	White	.61 x 1.06	2	.99	.89	.79
264946	JK-901B	Black/alum	White	.64 x 1.29	2	1.25	1.09	.99
264920	JK-901A	Black/alum	White	.79 x 1.77	2	1.75	1.49	1.25
2158143	RN-12POS	Black/alum	Numeric	.70 x 1.50	3	.89	.79	.69
264892	RN-113A	Black/alum	Numeric	.70 x 1.15	3	.99	.89	.79
264883	RN-112A	Black/alum	Numeric	.90 x 1.46	3	.99	.89	.79
264912	RN-114A	Black/alum	Numeric	.58 x 1.46	3	.99	.89	.79
102788	JK-903C	Black	White	.54 x 1.25	4	.75	.65	.55
104176	JK-902C	Black	White	.49 x .75	5	.99	.89	.79
202287	CP-Z1-M-S	Black/alum	White	.60 x .80	6	.89	.79	.69
136241	GKB-214	Black/alum	White	.52 x .54	7	1.25	1.09	.95
138393	41108-1	Black/alum	White	.56 x .85	7	1.35	1.19	.99
265077	JK-905C	Black/blue	White	.58 x .57	8	.99	.89	.79
265084	JK-905D	Black/green	White	.58 x .57	8	.99	.89	.79

Part No.	Product No.	Body	Pointer	H" x Dia."	Fig.	1	10	100
265051	JK-905A	Black/red	White	.58 x .57	8	\$.99	\$.89	\$.79
265069	JK-905B	Black/yellow	White	.58 x .57	8	.99	.89	.79
265033	JK-904C	Black/blue	White	.47 x .78	9	.99	.89	.79
265018	JK-904A	Black/red	White	.47 x .78	9	.99	.89	.79
265025	JK-904B	Black/yellow	White	.47 x .78	9	.99	.89	.79
265041	JK-904D	Black/green	White	.47 x .78	9	.99	.89	.79
265122	JK-906	Black	White	.58 x .61	10	1.25	1.09	.99
265261	CR-MS-5-T18*	Grey	Grey	.68 x .51	11	.69	.59	.49
265228	CR-MS-1-T18*	Grey	Red	.68 x .51	11	.69	.59	.49
265244	CR-MS-3-T18*	Gray	Blue	.68 x .51	11	.69	.59	.49
265236	CR-MS-2-T18*	Gray	Yellow	.68 x .51	11	.69	.59	.49
290125	42008-1	Aluminum	Black	.50 x .625	12	2.19	1.95	1.75
162481	K5-1/4S	Chrome	Silver	.50 x .56	13	.99	.89	.79
138482	KN031	Aluminum	Black	.61 x .65	14	2.49	2.25	1.95
138502	KN032	Aluminum	Black	.87 x .70	14	2.65	2.39	2.15
2173669	1510H	Black	White	.57 x .75	15	1.35	1.19	1.09
2173677	1400	Black	Black	.42 x .68	16	1.19	1.09	.99

* For use with 1/4" knurled shaft † 1/8" shaft diameter \$ Plastic flange

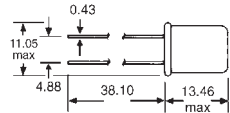
RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

JAMECO ValuePro

Crystals

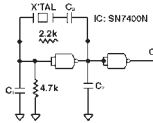
- Frequency calibration tolerance: $\pm 50\text{ppm}$ @ 25°C
- Freq. stability tolerance: $\pm 50\text{ppm}$ from -10°C to $+60^\circ\text{C}$
- Operating temperature: -10°C to $+60^\circ\text{C}$
- Shunt capacitance: 7pF max.
- Drive level: 4.0mW max.

*Web Code: EAU



HC49/U (HC18/U) Case

Dimensions in millimeters



- C1: 150-470 pF
- C2: 220-820 pF
- C3: Match crystal impedance

Application Reference (4-14MHz) (parallel resonance)

HC49/U (HC18/U) Case

* Order in multiples of 10

Part No.	Frequency (MHz)	Impedance	Pricing		
			1	10	100
102613	1.8432	18pF	.59	.55	.49
101274	2.4576	32pF	.59	.55	.49
14533	3.579545	18pF	.49	.39	.35
324364	4.0	Series	.59	.55	.49
14592	4.0	20pF	.59	.55	.49
14728	8.0	Series	.59	.55	.49
14381	10.0	Series	.59	.55	.49
120061	11.0592	Series	.59	.55	.49
324110	11.0592	32pF	.59	.55	.49
2159630	12.0	20pF	.49	.39	.29
14402	12.0	Series	.59	.55	.49
537799	14.31818	Series	*	.19	.15
324187	14.7456	20pF	*	.19	.15
14453	16.0	Series	.49	.39	.35
324268	20.0	20pF	.59	.55	.49
14517	20.0	Series	.59	.55	.49

HC49/US Low Profile Case

HC49/US Low Profile Case

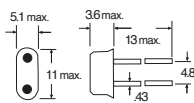
* Order in multiples of 10

Part No.	Frequency (MHz)	Impedance	Pricing		
			1	10	100
324962	4.0	20pF	.59	.55	.49
324929	5.0	20pF	.59	.55	.49
325198	12.0	20pF	.59	.55	.49
325139	16.0	20pF	.59	.55	.49
325068	20.0	20pF	.59	.55	.49
325024	24.0	20pF	.59	.55	.49

† Industrial temperature range is -40°C to 85°C

HC49/S Low Profile Case

- Operating temperature: -10°C to $+60^\circ\text{C}$
- $\pm 5\text{ppm}/\text{year}$ max.
- Drive level: 0.5mW (fundamental frequency)
- Frequency stability tolerance: $\pm 50\text{ppm}$

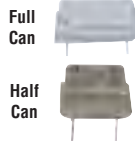


Part No.	Comparable:	Freq. (MHz)	Imped.	Pricing		
				1	10	100
137832	CY4LP	4.0	17pF	.49	.35	.29
137859	CY8LP	8.0	Series	.49	.35	.29
137875	CY11.05LP	11.0592	Series	.49	.35	.29
137891	CY16LP	16.0	Series	.49	.35	.29

JAMECO ValuePro

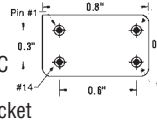
TTL Oscillators

- Frequency stability $\pm 100\text{ppm}$
- Operating temperature: 0°C to 70°C
- Output load TTL: 10 TTL max.
- Machine tooled 4 pins



Full Can

- Input volt.: $+5\text{VDC} \pm 0.5\text{VDC}$
- Most fit into a 14-pos. DIP socket P/N 133006, below



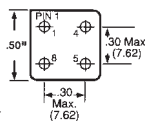
Pin #	Function
1	N/C
7	GND
8	Output
14	+5VVs

*Web Code: XAD

Part No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing		
				1	10	100
27861	1.0	7mA	15ns	\$1.95	\$1.79	\$1.59
27879	1.8432	7mA	15ns	1.95	1.79	1.59
27924	2.0	7mA	15ns	1.49	1.35	1.19
27967	4.0	7mA	10ns	1.95	1.79	1.59
27991	8.0	15mA	15ns	1.95	1.79	1.59
27887	10.0	15mA	10ns	1.95	1.79	1.59
27895	12.0	15mA	10ns	1.65	1.49	1.35
27932	20.0	17mA	10ns	.75	.59	.39
2135321	24.0	30mA	8ns	.69	.59	.49
27941	32.0	18mA	7ns	.89	.79	.69
76822	33.0	18mA	6ns	1.95	1.79	1.59
153226	40.0	15mA	6ns	.99	.89	.79
2095381	60.0	65mA	5ns	.89	.79	.69

Half Can

- Input voltage: $+3.3\text{VDC} \pm 10\%$
- Most fit into a 8-pos. DIP socket P/N 676385, below



Pin #	Function
1	N/C
4	GND
5	Output
8	+3.3VVs

*Web Code: MAM

Part No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing		
				1	10	100
325462	1.0	15mA	10ns	\$1.35	\$1.19	\$1.09
325526	4.0	15mA	10ns	1.35	1.19	1.09
102779	10.0	30mA	6ns	1.35	1.19	1.09
325665	20.0	30mA	10ns	1.35	1.19	1.09
325702	32.0	70mA	5ns	.75	.65	.49

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Crystal Oscillator Sockets

- Good for prototyping and PCB mounting
- Can be PCB-mounted without the modifications that would be needed with DIP-IC sockets
- Low profile solder tail; machine tooled on 4 pins



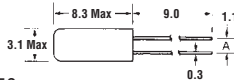
*Web Code: COS

Part No.	Description	1	10	100
676385	8-pos. socket for half can	.65	.55	.45
133006	14-pos. socket for full can	.65	.55	.45

JAMECO ValuePro

Tuning Forks

- Operating temperature range: -10°C to $+60^\circ\text{C}$
- Frequency: 32.768kHz
- Drive level: 1mW
- Frequency tolerance: $\pm 50\text{ppm}$
- Aging for first year: $\pm 3\text{ppm}$ (max. $+25^\circ\text{C}$)



Part No.	Comparable to:	Imped.	1	10	100
14584	CY32.76	10.5pF	.49	.45	.39
325244	JVP-325243	12.5pF	.49	.45	.39

5mm x 20mm Fast Acting Fuse Kit

- Glass cartridge, silver-end caps
- Voltage rating: 250VAC
- IEC127/BS4265/GEE4 spec.
- 100 pieces: 10 ea. of 0.1A, 0.2A, 0.5A, 1A, 1.6A, 2A, 2.5A, 3A, 4A and 5A



Part No.	Mfr. Part No.	1	10	25
645343	K/FF	\$15.95	\$14.95	\$13.95

*Miscellaneous Fuses — Enter Web Code FUS

JAMECO ValuePro

Fuses

5mm x 20mm Mini Fast Acting GMA Fuses (250V)

- Recommended for new designs



*Web Code: QAM

Part No.	*Mfr.	Cross Ref.	Amps	1	10	100
103887	JVP	GMA-250mA	.25A	.29	.25	.22
102041	JVP	GMA-500mA	.5A	.29	.25	.22
103908	JVP	GMA-1A	1A	.29	.25	.22
103916	JVP	GMA-2A	2A	.29	.25	.22
103924	JVP	GMA-3A	3A	.29	.25	.22
103932	JVP	GMA-5A	5A	.29	.25	.22
2159664	JVP	GMA-16	16A	.29	.25	.22

1 1/4" x 1/4" Standard Fast Acting (250V) AGC/3AG Fuses



*Web Code: AAB

Part No.	*Mfr.	Cross Ref.	Amps	1	10	100
69404	JVP	AGC-250mA	.25A	.35	.29	.25
10410	JVP	AGC-0.5	.5A	.35	.29	.25
10373	JVP	AGC-1A	1A	.35	.29	.25
652949	LTL	312001.HXP	1A	.35	.29	.25
197528	JVP	AGC-1.6	1.6A	.35	.29	.25
10382	JVP	AGC-2A	2A	.35	.29	.25
69439	JVP	AGC-3A	3A	.35	.29	.25
197544	JVP	AGC-4	4A	.35	.29	.25
10402	JVP	AGC-5A	5A	.35	.29	.25
197552	JVP	AGC-6.3	6.3A	.35	.29	.25
69462	JVP	AGC-10	10A	.35	.29	.25
186301	JVP	AGC-16	16A	.35	.29	.25

5mm x 20mm Mini Slow Blow GMD Fuses (250V)



*Web Code: MSB

Part No.	*Mfr.	Cross Ref.	Amps	1	10	100
197502	JVP	GMD-500mA	0.5A	.39	.35	.29
2129836	BEL	5ST(P)630	0.63A	.39	.35	.29
103827	BSM	GMC-1A	1A	.39	.35	.29
197465	JVP	GMD-1A	1A	.39	.35	.29
197472	JVP	GMD-2	2A	.39	.35	.29
197482	JVP	GMD-3.15	3.15A	.39	.35	.29
197500	JVP	GMD-5A	5A	.39	.35	.29

* Medium time delay type

1 1/4" x 1/4" Standard Slow Blow MDL/3AG Fuses (250V)



*Web Code: EAD

Part No.	*Mfr.	Cross Ref.	Amps	1	10	100
25655	JVP	MDL-1/4	.25A	.59	.55	.49
25689	JVP	MDL-1/2	.5A	.59	.55	.49
25639	JVP	MDL-1A	1A	.59	.55	.49
25646	JVP	MDL-2	2A	.59	.55	.49
69535	JVP	MDL-3A	3A	.49	.45	.39
25672	JVP	MDL-5A	5A	.59	.55	.49
69570	JVP	MDL-10A	10A	.59	.55	.49

* BEL = BEL Fuse | BSM = Bussmann | JVP = ValuePro | LTL = Littelfuse

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

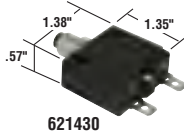
Fuses, Fuse Holders, Clips & Blocks

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN

Circuit Breakers

- Quick connect style terminals (.25")
- Actuator: black plastic button
- Mounting hole: 0.450"
- Current rated for 125/250VAC/32VDC

*Web Code: LCF



Includes: hardware: nut, knurled nut, ID plate

Part No.	Mfr. Part No.	Curr. Rating (A @ VAC)	1	10	100
621376	35-2105	5 @ 125/250	\$3.95	\$3.49	\$2.95
621413	35-2110	10 @ 125/250	3.95	3.49	2.95
621430	35-2115	15 @ 125/250	3.95	3.49	2.95
621448	35-2120	20 @ 125/250	3.95	3.49	2.95

Thermal Over-Current Circuit Breaker

Single pole press-to-reset thermal circuit breaker with fast overload switching performance.

- Voltage rating: 250VAC/50VDC
- Current rating: 1.5A
- Typical life @240VAC and 50VDC: 500 break operations
- Ambient temp.: -20°C to 70°C
- Dielectric strength: AC 1500V
- Insulation resis.: >100MΩ
- Mounting hole: 0.350"
- Actuator type: black reset button
- Applications: Motors, transformers, solenoids hand held machines, appliances & instrumentation



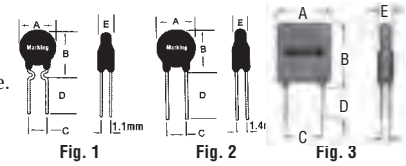
Part No.	Mfr. Part No.	1	10	100
2162679	1410-G111-L2F1-S01	\$14.95	\$13.49	\$11.95

Resettable Fuses

Polymer Positive Temperature Coefficient (PPTC) fuses improve product quality performance and are resettable.

- Rated voltage: (V_{MAX}): 60V
- Max. current: (I_{MAX}): 40A
- Lead length (D): 7.6mm min.
- Thickness (E): 3.1mm max.

*Web Code: SBF



Part No.	Mfr. P/N	Hold Curr. (I _H , A)	Trip Curr. (I _T , A)	Fig.	Size (mm)				Pricing		
					A	B	C	E	1	10	100
199832	RA020-60	0.20	0.40	1	7.4	12.2	5.1	3.1	\$.49	\$.45	\$.39
199858	RA030-60	0.30	0.60	1	7.4	13.0	5.1	3.1	.59	.55	.49
199874	RA050-60	0.50	1.00	1	7.9	13.7	5.1	3.1	.59	.55	.49
199882	RA065-60	0.65	1.30	1	9.7	14.5	5.1	3.1	.59	.55	.49
199912	RA110-60	1.10	2.20	2	13.0	18.0	5.1	3.1	.59	.55	.49
199938	RA160-60	1.60	3.20	2	16.3	21.3	5.1	3.1	.59	.55	.49
200062	RB500-30	5.00	10.00	3	14.0	24.9	10.2	3.0	.59	.55	.49

Auto Fuses

Automotive Blade Low Voltage Fuse

- Standard for battery applications
- Rated at 32VDC
- Fast acting

*Web Code: ATF



Part No.	Mfr. Part No.	Fig.	Amps	1	10	100
2135961	APR-30A	1	30A	\$.59	\$.49	\$.39
2135937	APR-15A	1	15A	.59	.49	.39
2135929	APR-10A	1	10A	.59	.49	.39
2135902	APR-5A	1	5A	.59	.49	.39
2159744	APR-4A	2	4A	.59	.49	.39
2135890	APR-3A	1	3A	.59	.49	.39

Fuse Holders

Omni-Blok® Molded Base Fuse Block

- Dielectric strength: 1500V min.
- Clip/terminals: tin plated spring brass
- Solder terminal *1 3AG 2.5x20mm

Part No.	Mfr. Part No.	Curr. Rating	Size*	1	10	100
1711947	354800-GY	20A, 300V	1	\$.95	\$.85	\$.79
1712608	520101	10A, 300V	2	.75	.69	.65

† PCB mount

Panel Mount for 3AG Fuse

- Dielectric strength: 2400V min.
- Black thermoplastic, UL94V-0
- Terminals: copper & copper alloy, tin plated

Part No.	Mfr. Part No.	Curr. Rating	1	10	100
1711681	03420012H	20A	\$2.29	\$2.19	\$2.09

JAMECO ValuePro

OPTIFUSE

Fuse Holders & Clips

Low Profile PCB-Mount Fuse Clips

*Web Code: UEA

†1. For GMA/GMD fuses 2. For 3AGC/MDL/AG fuses

- Low contact resistance
- Withstands shock/vibration
- Order in multiples of 10

Part No.	Description	For Use With†	Size (H" x W" x D" x P")	10	100	500
119280	5mm, side leads	1	.33 x .25 x .20 x .21	\$.15	\$.13	\$.09
102860	5mm, front leads	1	.37 x .25 x .21 x .19	.15	.13	.09
2099438	1/4", side leads	2	.42 x .25 x .20 x .21	.10	.09	.08
102842	1/4", front leads (10A)	2	.32 x .27 x .25 x .23	.15	.13	.09

5mm x 20mm Miniature Thumbscrew Panel Mount Fuse Holders

- Straight solder terminal
- Size: 1.5"L x 0.6"Dia.

Part No.	Mfr.	Curr. (A @ VAC)	Mounting Hole	1	10	100
150464	ValuePro	6 @ 250	.50"Dia. x .43"Flat	\$1.09	\$.99	\$.89
102825	ValuePro	10 @ 250	.50"Dia.	1.25	1.09	.95
2136331	Optifuse	10 @ 250	.50"Dia. x 0.46"Flat	1.75	1.59	1.45

† Red cap

1/4" x 1/4" Standard Thumbscrew Panel Mount Fuse Holders

- Straight solder terminal
- Current: 10A @ 250VAC

Part No.	Mfr.	Size (L x Dia.)	Mounting Hole	1	10	100
120994	ValuePro	1.95" x .71"	.58"Dia. (Double D-style)	\$.95	\$.85	\$.69
18703	ValuePro	2.05" x .71"	.58"Dia. x .52"Flat (D-style)	1.59	1.35	1.19

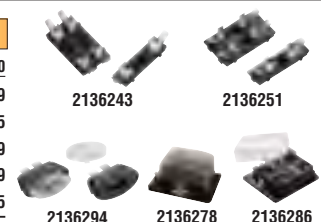
OPTIFUSE

Fuse Blocks

Part No.	Mfr. Part No.	Description (Rating)	Compatible Fuses	1	10	100
2136243	BLC-20A	Single, snap-together block for multi-pole applications (125VAC, 15A) (250VAC, 10A)	1/4" x 1-1/4" fuses	\$1.09	\$.99	\$.89
2136251	BLC-20C	Single, snap-together block for multi-pole applications (125VAC, 8A) (250VAC, 8A)	5mm x 20mm fuses	1.25	1.09	.95
2136294	BLR-I-301	1-pos. w/ snap-in mount (124VDC, 30A), cover included†	Automotive-blade fuses	3.49	3.19	2.89
2136278	BLR-I-306	6-pos. w/ snap-in mount (30A per circuit, 100A max input), cover included†	Automotive-blade fuses	16.95	14.95	13.49
2136286	BLR-I-310	10-pos. w/ snap-in mount (30A per circuit, 100A max input), cover included†	Automotive-blade fuses	21.95	19.95	17.95

† LED indicator and 1/4" quick connect terminals

*Web Code: OFB



Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

Hook-Up Wire & Telephone Cable

JAMECO ValuePro

UL1007 & UL1569 Rated Hook-Up Wire

- Applications: Interconnection circuits, wiring of computer and data processing equipment, applications and automotive
- Additional colors available online
- 300V peak
- PVC insulation
- Stranded
- Sold in 100' rolls
- VW-1
- Tin-plated copper
- Temp. range: -40°C to 80°C (UL1007); -40°C to 105°C (UL1569)

Appliance Wiring Material (AWM) is UL recognized covering of insulated wire & cable intended for internal wiring of appliances & equipment.

- Additional colors available online



* Web Code: JAS

AWG	Stranding	UL1007	UL1569	Black P/N	Red P/N	White P/N	Green P/N	Yellow P/N	Blue P/N	1	5	10
28	7 x 36	x	x	734611	734603	734610	734606	734605	734614	\$6.95	\$6.49	\$5.95
26	7 x 34	x	x	734511	734503	734510	734506	734505	734514	7.95	6.95	6.25
24	7 x 32	x	x	734411	734403	734410	734406	734405	734414	9.95	8.95	7.95
22	7 x 30	x		126085	126034	126077	310852	310878	310886	9.95	8.95	7.95
22	7 x 30	x	x	734311	734303	734310	734306	734305	734314	10.95	9.95	8.95
20	10 x 30	x		125840	125795	125831	310894	310915	310922	11.95	10.95	9.95
20	10 x 30	x	x	734211	734203	734210	734206	734205	734214	12.95	11.95	10.95
18	16 x 30	x		125787	125736	125752	310932	310949	310958	15.95	14.49	12.95
18	16 x 30	x	x	734111	734103	734110	734106	734105	734114	16.95	14.95	13.49
16	26 x 30	x	x	734011	734003	734010	734006	734005	734014	18.95	16.95	14.95

Stranded Wire Assortment

- 10 different colors
- 16.4' of white, blue, brown, green, yellow, orange, grey and violet
- 32.8' of black and red
- Wire gauge: 24 AWG
- Max. voltage: 60V;
- Max. current: 4.3A



* Web Code: JAS

Part No.	Description	1	10
2130917	Stranded wire kit assortment	\$12.95	\$11.95

22 AWG Hook-Up Wire Bundle – 25'

This bundle contains 6 spools of our popular 22 gauge solid hook-up wire in a cardboard dispenser box.



- Black, light blue, green, red, white and yellow
- Great for engineers, technicians and labs
- Annealed solid tinned copper conductor
- 25' spools
- Passes UL VW-1 flame test

JAMECO ValuePro

* Web Code: PAF

Part No.	Cross Ref. No.	1	5
2153705	KCW9313-001	\$16.95	\$14.95

Wire Jumper Kits, see page 143

JAMECO ValuePro

Solid Hook-Up Wire – 22 AWG

- Temperature range: -55°C to +105°C
- Passes UL VW-1 flame test
- MIL-W-16878/1, type B PVC
- For use with breadboards such as the JE20 series, pg 143
- Additional colors available online



* Web Code: PAF

Length	Black P/N	Blue P/N	Green P/N	Red P/N	White P/N	Yellow P/N	1	5	10
25'	2152876	2152884	2152892	2152905	2153553	2152921	\$3.95	\$3.59	\$3.29
100'	36792	36768	36822	36856	36881	36920	7.95	6.95	5.95
1000'	36805	36776	36840	36864	36899	36928	59.95	54.95	49.95

JAMECO ValuePro

Bus Bar Hook-Up Wire

* Web Code: QCS

Tinned Copper

- Solid soft drawn annealed bare copper
- Single conductor
- Approvals: ASTM-B-3, QQ-W-343-Type-S
- No insulation
- Sold in 100' reels



Part No.	Gauge	O.D. (in.)	Amps	1	5	25
2098478	24 AWG	0.020	5	\$7.95	\$7.25	\$6.49
2098486	22 AWG	0.025	7	8.95	7.95	7.25
2098494	20 AWG	0.032	8.5	10.95	9.95	8.95
2098507	18 AWG	0.040	16	15.95	14.49	12.95
2098515	16 AWG	0.061	19	18.95	16.95	15.49

Kynar™ Wire-Wrap Wire – 30 AWG

* Web Code: NAC

- Polyvinylidene fluoride insulation
- Used for prototyping
- Silver plated copper (solid conductor)
- UL 1423
- Temperature: -40°C to +125°C
- Passes UL VW-1 flame test
- Wire wrap tools, pg 134
- See pg 14 for sockets



100 Foot Reel				Pricing			
Part No.	Color	1	5	Part No.	Color	1	5
22542	Blue	\$11.95	\$10.95	22551	Blue	\$69.95	\$64.95
22577	Black	11.95	10.95	22585	Black	69.95	64.95
22631	Red	11.95	10.95	22649	Red	69.95	64.95
22665	White	11.95	10.95	22673	White	69.95	64.95
22606	Green	11.95	10.95	22614	Green	69.95	64.95
22700	Yellow	11.95	10.95	22702	Yellow	69.95	64.95

JAMECO ValuePro

Modular Telephone Cable – 28 AWG

- Color coded conductors
- Flat modular cable
- 7 x 43 stranded
- PVC jacket
- Gray

* Web Code: LCG



Part No.	Cross Ref. No.	Conductors	Length (ft.)	1	5	10
644666	300-840SL-100	4	100	\$7.49	\$6.95	\$6.49
644674	300-840SL-1000	4	1000	54.95	49.95	44.95
644691	300-860SL-100	6	100	10.95	9.95	8.95
644703	300-860SL-1000	6	1000	74.95	69.95	66.95

JAMECO ValuePro

Twisted Paired Cable – 24 AWG

- PVC insulation
- Use for hook-up wire
- Stranded tinned wire (7 x 32)
- Reduced EMI
- 80°C
- 300 V

* Web Code: EBC



100 Foot Reel				Pricing			
Part No.	Color	1	5	Part No.	Color	1	5
173164	Black/white	\$9.95	\$9.49	173172	Black/white	\$84.95	\$79.95
105912	Green/white	9.95	9.49	105807	Green/white	79.95	74.95
173148	Red/white	9.95	9.49	173156	Red/white	99.95	94.95

* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

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Coaxial, Multi-Conductor, Paired & Speaker Cable

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACORY OVERRUN



Coaxial Cable

★ Web Code: CLC

Common Coax Cables: RG-#/U (RG = Radio Grade; U = Universal)
RG-59: Baseband video in CCTV, low shielding, 75Ω

RG-58: Radio communication, amateur radio, 50Ω
RG-174: Wi-Fi pigtails, more flexible but higher loss than RG-58, 50Ω

- Color: black
- PVC jacket
- A = Polyethylene insulated

Part No.	Mfr.	Product No.	Fig.	Length	AWG	Type	Nom. Imp (Ω)	Insul.	Bare Copper	Braid Shield	Pricing	
											1	5
2124146	JVP	4449-100	1	100' Reel	19 Stranded	RG58A/U	50	A	0.036"	95	\$34.95	\$32.95
644754	JVP	RG58/U-100	2	100' Reel	20 Solid	RG58/U	50	A	0.015"	38	21.95	20.95
232961	BDN	8281 010100	4	100' Reel	20 Solid	RG59/U	75	A	0.031"	98	49.95	44.95
232653	BDN	9259 010100	3	100' Reel	22 Stranded	RG59/U	75	A	0.030"	95	29.95	27.95
644818	JVP	RG174/U-100	1	100' Reel	26 Stranded	RG174/U	50	A	0.020"	98	21.95	19.95
644826	JVP	RG174/U-1000	1	1000' Reel	26 Stranded	RG174/U	50	A	0.020"	98	179.95	169.95



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Multi-Conductor Cable

★ Web Code: MCC

Part No.	Mfr.	Product No.	Fig.	AWG (stranded)	# of Cond.	Length	Jacket	Wire Color	Insul.	Nom. O.D.	Pricing	
											1	5
732996	BDN	8442 060100	1	22 ¹	2	100' Reel	Chrome/PVC	Black, Red	A	0.170"	\$34.95	\$31.95
733008	BDN	8442 060500	1	22 ¹	2	500' Reel	Chrome/PVC	Black, Red	A	0.170"	149.95	134.95
734054	BDN	8442 060U1000	1	22 ¹	2	1000' Unreel	Chrome/PVC	Black, Red	A	0.170"	259.95	249.95
733024	BDN	8443 060100	2	22 ¹	3	100' Reel	Chrome/PVC	Black, Red, Green	A	0.172"	44.95	39.95
733032	BDN	8443 060500	2	22 ¹	3	500' Reel	Chrome/PVC	Black, Red, Green	A	0.172"	199.95	189.95
733059	BDN	8444 060100	3	22 ¹	4	100' Reel	Chrome/PVC	Black, Red, White, Green	A	0.185"	53.95	49.95
733067	BDN	8444 060500	3	22 ¹	4	500' Reel	Chrome/PVC	Black, Red, White, Green	A	0.185"	249.95	229.95
2119494	JVP	5411-100	4	22 ¹	5	100' Reel	Gray/PVC	Blk, Red, Wh, Grn, Brn	A	0.190"	44.95	42.95
733083	BDN	8445 060100	4	22 ¹	5	100' Reel	Chrome/PVC	Blk, Red, Wh, Grn, Brn	A	0.194"	84.95	79.95
2119558	JVP	5578-100	5	18/20 drain wire ³	3	100' Reel	Chrome/PVC	Black, Red, White	B	0.230"	49.95	44.95
733201	BDN	8770 060100	5	18/20 drain wire ²	3	100' Reel	Chrome/PVC	Black, Red, Clear	B	0.246"	89.95	79.95
2119531	JVP	5576-100	5	22/22 drain wire ²	3	100' Reel	Gray/PVC	Black, Red, White	B	0.190"	29.95	28.49
644383	JVP	SC4-25	6	24 drain wire ³	4	25' Reel	Gray/PVC	Multi-Colored	A	0.200"	7.95	7.49
644391	JVP	SC4-100	6	24 drain wire ³	4	100' Reel	Gray/PVC	Multi-Colored	A	0.200"	29.95	26.95
644404	JVP	SC4-1000	6	24 drain wire ³	4	1000' Reel	Gray/PVC	Multi-Colored	A	0.200"	219.95	199.95
644412	JVP	SC-925	6	24 drain wire ³	9	25' Unreel	Gray/PVC	Multi-Colored	A	0.230"	15.95	14.35
644421	JVP	SC9-100	6	24 drain wire ³	9	100' Reel	Gray/PVC	Multi-Colored	A	0.230"	44.95	39.95
644439	JVP	SC9-1000	6	24 drain wire ³	9	1000' Reel	Gray/PVC	Multi-Colored	A	0.230"	349.95	329.95
644447	JVP	SC15-25	6	24 drain wire ³	15	25' Unreel	Gray/PVC	Multi-Colored	A	0.280"	24.95	22.95
644455	JVP	SC15-100	6	24 drain wire ³	15	100' Reel	Gray/PVC	Multi-Colored	A	0.280"	53.95	48.95
644463	JVP	SC15-1000	6	24 drain wire ³	15	1000' Reel	Gray/PVC	Multi-Colored	A	0.280"	399.95	379.95
644471	JVP	SC25-25	6	24 drain wire ³	25	25' Unreel	Gray/PVC	Multi-Colored	A	0.370"	29.95	26.95
644480	JVP	SC25-100	6	24 drain wire ³	25	100' Reel	Gray/PVC	Multi-Colored	A	0.370"	94.95	89.95
2006377	JVP	SC25-500	6	24 drain wire ³	25	500' Unreel	Gray/PVC	Multi-Colored	A	0.370"	429.95	399.95



Fig. 1



Fig. 2

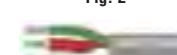


Fig. 3

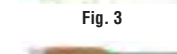


Fig. 4



Fig. 5

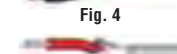


Fig. 6

1 = Unshielded
2 = Overall Beldfoil Shield
3 = 100 Aluminum Mylar Shield
A = PVC B = Polyethylene
Blk = Black Brn = Brown
Grn = Green Wh = White



Paired Cable

★ Web Code: HCS

Part No.	Mfr.	Product No.	Fig.	AWG/Drain Wire	# of Pairs	Length	Jacket	Wire Color	Insul.	Pricing	
										1	5
233146	BDN	8719 060100	1	16 / 18	1	100' Reel	Chrome/PVC	Black/Clear	B	\$109.95	\$99.95
2119515	JVP	5574-100	1	18 / 24	1	100' Reel	Chrome/PVC	Black/White	B	41.95	37.95
733112	BDN	8451 010100	2	22 / 22	1	100' Reel	Black/PVC	Black/Red	A	26.95	24.95
734063	BDN	8451 010U500	2	22 / 22	1	500' Unreel	Black/PVC	Black/Red	A	129.95	115.95
734180	BDN	8723 060100	3	22 / 24	2	100' Reel	Chrome/PVC	Black/Red, Green/White	A	49.95	46.95
734184	BDN	8723 060U500	3	22 / 24	2	500' Unreel	Chrome/PVC	Black/Red, Green/White	A	249.95	224.95
734179	BDN	1419A 060100	4	24 / 24	2	100' Reel	Chrome/PVC	Wh/Blue Str, Blue/Wh Str, Wh/Org Str, Org/Wh Str	C	39.95	34.95

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 4

A = Polypropylene
B = Polyethylene
C = Datalene Wh = White
Org = Orange Str = Stripe



2-Conductor Power/Speaker Cable

- Black wire with white polarity stripe
- Temperature rating: 20°C to 60°C
- Stranded copper wire (7 x 32)
- Operating voltage: 300V

★ Web Code: VAL



Part No.	Cross Ref. No.	Length	1	5	10
100280	CAR45B-100	100'	\$7.95	\$7.49	\$6.95
100299	CAR45B-1K	1000'	59.95	54.95	49.95



12 AWG Speaker Cable

- 12 AWG stranded (65x30)
- Electrolytic Tough Pitch (ETP) high-conductivity copper
- Parallel Zip construction; 1 tinned, 1 bare
- Nominal outer diameter: 0.185" x 0.37"



Part No.	Mfr.	Part No.	Length	Color	1	5
232629		9718 368100	100' Reel	Clear	\$49.95	\$46.95

* BDN = Belden | JVP = Jameco ValuePro

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

JAMECO ValuePro

28 AWG (7 x 36) Gray and Multicolor Flat Ribbon Cable

See page 60 for IDC Connectors

Gray Cable

- Insulation: polyvinyl chloride (PVC)
- Single edge red stripe for pin 1 orientation
- Center spacing: 0.05"

*Web Code: WBX



Part No.	Cross Ref. No.	Conductors	Length	1	5	25
643794	171-10-10	10	10'	\$3.49	\$3.25	\$2.95
643807	171-10-25	10	25'	7.49	6.95	6.49
643815	171-10-100	10	100' reel	19.95	18.95	17.95
643831	171-16-10	16	10'	4.75	4.29	3.79
643840	171-16-25	16	25'	11.95	10.95	9.95
643858	171-16-100	16	100' reel	32.95	30.95	28.95
643874	171-20-10	20	10'	5.49	4.95	4.49
643891	171-20-100	20	100' reel	44.95	39.95	35.95
643911	171-25-10	25	10'	5.95	5.39	4.79
643938	171-25-100	25	100' reel	49.95	44.95	39.95
643971	171-26-25	26	25'	15.95	14.49	12.95
643989	171-26-100	26	100' reel	49.95	47.95	44.95
644033	171-34-10	34	10'	8.95	7.95	6.95
644041	171-34-25	34	25'	16.95	15.95	14.95
644050	171-34-100	34	100' reel	59.95	56.95	53.95
644076	171-37-10	37	10'	8.95	7.95	6.95
644092	171-37-100	37	100' reel	69.95	65.95	62.95
644121	171-40-25	40	25'	24.95	22.49	19.95
644130	171-40-100	40	100' reel	79.95	71.95	65.95
644164	171-50-25	50	25'	29.95	26.95	23.95
644172	171-50-100	50	100' reel	89.95	84.95	79.95
644199	171-60-10	60	10'	9.95	8.95	7.95
644201	171-60-25	60	25'	19.95	17.95	15.95
644210	171-60-100	60	100' reel	84.95	76.49	68.95

Multicolor Cable

- Standard 10-color repeat sequence
- Voltage rating: 300V
- Center spacing: 0.05"
- Stranded copper wire
- Temperature rating: -20°C to +80°C

*Web Code: WCF



Part No.	Cross Ref. No.	Conductors	Length	1	5	25
639672	28RC10-10	10	10'	\$4.49	\$3.95	\$3.75
643508	28RC10-25	10	25'	10.95	9.95	8.95
643516	28RC10-100	10	100' reel	35.95	33.95	31.95
643532	28RC16-10	16	10'	6.49	5.95	5.49
643541	28RC16-25	16	25'	16.95	15.25	13.95
643559	28RC16-100	16	100' reel	56.95	52.95	49.95
643575	28RC20-10	20	10'	8.95	8.49	7.95
643583	28RC20-25	20	25'	19.95	17.95	15.95
643591	28RC20-100	20	100' reel	69.95	64.95	59.95
643621	28RC25-25	25	25'	24.95	22.95	20.95
643639	28RC25-100	25	100' reel	79.95	74.95	72.95
643655	28RC34-10	34	10'	15.95	14.49	12.95
643698	28RC40-10	40	10'	19.95	17.95	15.95
643701	28RC40-25	40	25'	39.95	35.95	32.95
643719	28RC40-100	40	100' reel	139.95	132.95	124.95
643735	28RC50-10	50	10'	19.95	17.95	15.95
643743	28RC50-25	50	25'	44.95	39.95	36.95
643751	28RC50-100	50	100' reel	149.95	139.95	129.95

JAMECO ValuePro

Category 5e Network Cable

*Web Code: KCG



Blue



Gray

24 AWG UTP Category 5e Enhanced - 350MHz (Non-Plenum)

Part No.	Cross Ref. No.	Length	Color	Description	1	5
645722	10X5-704TH-100VP	100'	Blue	Solid	\$16.95	\$15.95
645731	10X5-704TH-1000VP	1000'	Blue	Solid	129.95	119.95
644560	10X5-701TH-1000	1000'	Gray	Solid	119.95	109.95
644615	10X5-804TH-100	100'	Blue	Stranded	16.95	15.95
644623	10X5-804TH-1000	1000'	Blue	Stranded	129.95	119.95
644594	10X5-801TH-1000	1000'	Gray	Stranded	139.95	129.95

JAMECO ValuePro

10-Conductor Flat Ribbon Cable – Gray

.100" (2.54mm) — 24AWG

- Capacitance: 31pF/m
- Insulation resis.: 100MΩ
- Temperature rating: 105°C
- Insulation material: 7mm polyvinyl chloride (PVC) gray

*Web Code: WBX



Part No.	Cross Ref. No.	Conductor	Length	1	5	25
363813	H24G-10-10	10	10'	\$9.95	\$8.95	\$7.95

JAMECO ValuePro

Network Cable Assemblies

Category 5e

- 8P8C
- 4 pair
- Unshielded Twisted Pair (UTP)
- 350 MHz
- "Snagless" boot
- 24 AWG (7 x 43) stranded
- T568B color coded for easy wire tracing

Part No.	Length	Color	1	10	100	Part No.	Length	Color	1	10	100
168292	3 ft.	Gray	\$1.75	\$1.59	\$1.39	201734	3 ft.	Blue	\$1.75	\$1.59	\$1.39
168313	15 ft.	Gray	3.95	3.55	2.95	1945381	5 ft.	Blue	1.95	1.75	1.65
201777	3 ft.	Red	1.75	1.59	1.39	2138708	7 ft.	Blue	1.95	1.75	1.49
201785	7 ft.	Red	2.75	2.49	2.25	201742	7 ft.	Blue	2.75	2.49	2.25
201697	3 ft.	Black	1.75	1.59	1.39	1945401	10 ft.	Blue	2.95	2.75	2.49
201700	7 ft.	Black	2.75	2.49	2.25	201751	15 ft.	Blue	3.95	3.55	2.95
201718	15 ft.	Black	3.95	3.55	2.95	201814	3 ft.	Yellow	1.75	1.59	1.39
201726	25 ft.	Black	6.49	5.95	5.49	201822	7 ft.	Yellow	2.75	2.49	2.25

*Without "Snagless" boot

*Web Code: CAE



JAMECO ValuePro

Cat 5e Network Crossover Cable

*Web Code: CAE

Category 5e – 350MHz

- Connect 2 PCs without a hub
- 24AWG (7 x 43) stranded
- Strain relief RJ45 connectors
- 4-pair
- 8P8C
- UTP

Part No.	Length	Color	1	10	100
302041	7 ft.	Gray	\$3.75	\$3.35	\$2.95
169261	10 ft.	Gray	5.95	5.35	4.79



5-Port Industrial Ethernet Switch

NEW MARKED IN PINK

- Auto MDI/MDI-X crossover for plug-and-play
- Supports 10/100Mbps auto negotiation
- IEEE 802.3, 802.3u, 802.3x
- LED indicators for power, 10/100M, Link/Act
- DIN rail mountable



Part No.	Mfr. Part No.	1	5
2129019	NS-205	\$98.95	\$93.95

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JAMECO ValuePro

Modular Plugs

P = No. of positions
C = No. of contacts



*Web Code: FBB

- Unshield except P/N 116611 & 116602

* Order in multiples of 10

Part No.	Mfr.	Description	Size (L" x W" x H")	UL	1	10	100	1000
103491	ValuePro	4P4C (N/A) for flat or oval handset wire	.49 x .30 x .26	None	✱	\$.13	\$.12	\$.09
79290	ValuePro	6P4C (RJ14) for round stranded wire	.49 x .38 x .26	UL94V-0	✱	.15	.13	.10
79273	ValuePro	6P6C (RJ12) for flat stranded wire	.49 x .38 x .26	None	.29	.25	.22	.19
79281	ValuePro	8P8C (RJ45) for flat stranded wire	.85 x .46 x .31	None	.45	.39	.35	.29
119343	ValuePro	8P8C (RJ45) for round solid wire	.85 x .46 x .31	None	.45	.39	.35	.29
524411	AMP	8P8C (RJ45) for round solid wire	.85 x .46 x .31	UL94V-2	.79	.75	.69	.59
524525	AMP	8P8C (RJ45) for round stranded wire	.84 x .46 x .31	UL94V-2	.75	.69	.65	.59
116602	ValuePro	8P8C (RJ45) for round stranded wire	.85 x .46 x .31	UL94V-2	.95	.89	.79	.69
116611	ValuePro	8P8C (RJ45) for round stranded wire	.87 x .46 x .33	UL94V-0	1.09	.99	.89	.79
180646	ValuePro	10P10C (RJ50) for round stranded wire	.85 x .46 x .31	None	.49	.45	.39	.35

*Shielded

AMP JAMECO ValuePro

Modular Jacks

*Web Code: NEL



Part No.	Mfr.	Description	Panel Mount	Size (L" x W" x H")	1	10	100	1000
115128	JVP	4P4C (N/A) handset side entry, center latch	No	.51 x .40 x .57	\$.45	\$.39	\$.35	\$.29
151766	JVP	6P4C (RJ14) side entry, center latch	Yes	.80 x .52 x .59	.65	.59	.55	.49
524277	AMP	6P6C (RJ25) top entry, center latch, flangeless	Yes	.53 x .64 x .63	1.35	1.19	1.09	.99
115837	JVP	6P6C (RJ25) side entry, center latch	Yes	.51 x .48 x .57	.85	.75	.65	.59
124039	JVP	6P6C (RJ25) top entry, 6" leads, panel mount	Yes	.54 x .59 x .72	1.25	1.09	.99	.89
852449	AMP	6P6C (RJ25) side entry, center latch, SMT, low profile	Yes	.72 x .63 x .50	.29	.25	.19	.15
115844	JVP	8P8C (RJ45) side entry, center latch, shielded	No	.56 x .66 x .58	.89	.85	.79	.75
2150395	JVP	8P8C (RJ45) side entry, center latch	No	.51 x .59 x .57	.69	.59	.49	.39
2078240	JVP	8P8C (RJ45) side entry, center latch	Yes	.81 x .60 x .59	.49	.45	.39	.35
203449	JVP	8P8C (RJ45) side entry, center latch, shielded	No	.84 x .63 x .53	.89	.79	.75	.65
2078258	JVP	8P8C (RJ45) side entry, center latch, low profile	No	.71 x .60 x .46	.29	.25	.22	.19
2150740	JVP	8P8C (RJ45) side entry, center latch, no panel stop	No	.59 x .52 x .57	.65	.49	.39	.29
524461	AMP	8P8C (RJ45) side entry, front latch, low profile	Yes	.72 x .61 x .50	.79	.75	.69	.65
1537416	KYC	8P8C (RJ45) side entry, front latch, low profile	Yes	.72 x .60 x .50	.59	.49	.39	.29
524488	AMP	8P8C (RJ45) top entry, top latch	Yes	.66 x .62 x .63	.65	.59	.55	.49
2144702	AMP	8P8C (RJ45) side entry, top latch w/ orange/yellow LED	No	.59 x .64 x .45	.69	.59	.49	.39

JAMECO ValuePro

RS-232-to-Registered Modular Datacom Adapters

Simplify networking applications when changing your RS-232 port to an RJ11, RJ12 or RJ45 modular jack.

Includes: All necessary hardware and wiring

*Web Code: RDR



Part No.	Mfr.	Description	1	10	100
66181	JVP	DB9 M to RJ12 (6P6C)	\$1.95	\$1.75	\$1.49
66191	JVP	DB9 M to RJ45 (8P8C)	2.25	1.95	1.75
614977	GCE	DB9 M to RJ45 (8P8C)	2.49	2.25	1.95
614985	GCE	DB9 F to RJ11 (4P4C)	1.95	1.75	1.49
114738	JVP	DB9 F to RJ12 (6P4C)	2.25	1.95	1.75

Part No.	Mfr.	Description	1	10	100
66203	JVP	DB9 F to RJ12 (6P6C)	\$2.49	\$2.25	\$1.95
66212	JVP	DB9 F to RJ45 (8P8C)	2.75	2.49	2.25
615005	GCE	DB9 F to RJ45 (8P8C)	2.75	2.49	2.25
66229	JVP	DB25 M to RJ12 (6P6C)	2.25	1.95	1.75
66237	JVP	DB25 M to RJ45 (8P8C)	1.85	1.69	1.49
66254	JVP	DB25 F to RJ45 (8P8C)	1.85	1.69	1.49

ARDUINO WIFI SHIELD

- Connect your Arduino to the internet wirelessly
- 802.11b/g; WEP & WPA2 Personal encryption
- Built-in microSD slot. (microSD card & Arduino sold separately)



\$99.95

P/N 2163786

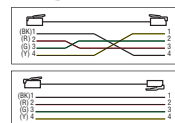


* AMP = AMP | GCE = GC Electronics | JVP = Jameco ValuePro | KYC = Kycon

JAMECO ValuePro

Modular Telephone/Printer Sharing Cable (Gray)

- RJ11 - 6P4C for telephone or network
- RJ11 - 6P6C for telephone or printer sharing
- RJ45 - 8P8C for telephone or modem dial-up use



Style 1 - Reverse wiring for telephone systems

Style 2 - Straight wiring for networking/printer sharing

*Web Code: EBF

Part No.	Conn. Style	Type	Length	Pricing		
				1	10	100
2125851	1	RJ11-6P4C	6ft.	\$.99	\$.75	\$.59
196227	1	RJ11-6P4C	7ft.	1.75	1.59	1.39
115554	2	RJ11-6P4C	7ft.	1.75	1.59	1.39
115588	1	RJ11-6P6C	7ft.	1.49	1.35	1.19
115617	2	RJ11-6P6C	7ft.	1.95	1.75	1.59
115677	2	RJ45-8P8C	7ft.	1.49	1.35	1.19
201232	2	RJ11-6P4C†	35ft.	.99	.85	.69

†Beige

JAMECO ValuePro

Modular Couplers



Fig. 1
W: 1.5"
H: 0.9"
D: 0.7"



Fig. 2
W: 1.7"
H: 1.0"
D: 0.9"

*Web Code: XAH

Straight wiring for networking/printer sharing

Part No.	Description	Fig.	Pricing		
			1	10	100
135087	6P6C modular coupler, RJ11	1	\$1.09	\$.99	\$.89
135079	8P8C modular coupler, RJ45	1	1.39	1.25	1.15
153023	8P8C modular coupler, (for CAT 5) RJ45	2	7.95	7.15	6.45

AMP 8P8C In-Line Couplers

- Panel mount thickness: 0.062" nominal
- Housing: black polyphenylene oxide
- Terminals: 0.018" diameter phosphor bronze with 50µ" gold over nickel
- Snap into 0.595" x 0.765" rectangular wall plate cut-outs



Part No.	Mfr.	Part No.	1	10	100
524445	555052-1	1	\$5.95	\$5.49	\$4.95
2160649	MCJ-88/555052-1-VP	1	2.95	2.59	2.35

*ValuePro

JAMECO ValuePro

RJ45-Plug Color Caps (Boots)

- Round strain relief
- Order in multiples of 10

*Web Code: JBG

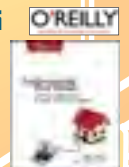
204410

Part No.	Color	10	100	500	1000
204410	Black	\$.19	\$.17	\$.15	\$.12
204353	Gray	.19	.17	.15	.12
204362	Blue	.19	.17	.15	.12

PROGRAMMING YOUR HOME

Learn how to use Arduino and Android Smartphones to automate lighting and home appliances.

P/N 2176026 \$32.95



Modular Jacks, Plugs, Cable Ties & Accessories

Modular Jack Boxes

Part No.	Description	Fig.	Pricing		
			1	10	100
71984	6P6C adhesive jack RJ11 (beige)	1	\$1.19	\$1.05	\$.89
71651	8P8C adhesive jack RJ45 (beige)	1	1.49	1.25	1.09
213032	8P8C adhesive jack RJ45 (single, white) (CAT 5e)	2	2.95	2.75	2.49

Keystone-Type RJ45 Jacks

Modular Punchdown Type

- CAT 5e classification
- Punchdown type wiring connections with color coding
- Size: 0.57"W x 1.23"D x 0.63"H

Part No.	Description	Color	1	10	100
212951	8P8C (RJ45)	Blue	\$2.95	\$2.65	\$2.39
212944	8P8C (RJ45)	White	2.95	2.65	2.39

EZ-RJ45 Category 5 & 6 Modular Plugs

Strip the wire and insert into the plug & pull out the wire on the other side. This ensures correct conductor order and uniformity in crimping. No wire bar and no wasted cable.

Part No.	Mfr. Part No.	Description	1	10	100
158115	300568EZ	8P8C, CAT5	\$1.75	\$1.59	\$1.45
2099278	300668EZ	8P8C, CAT6	1.55	1.45	1.35

Network Cable, see page 47

Professional Modular Connector Crimping Tool

- 6mm and 12mm stripping guide
- Spring return action
- Crimp modular plugs without changing dies
- Crimps 10P10C, RJ45: 8P8C, RJ11 and RJ12: 6P6C, and 4P4C
- Insulated handles
- Size: 8.2"L • Weight: 1.2 lbs.

Part No.	Mfr. Part No.	1	10	25
181148	HT200	\$54.95	\$49.49	\$44.55

RS422/485 TO ETHERNET MODULE

- Transmit RS-422/485 data to Ethernet and vice versa
- W7100 chip guarantees stable & reliable communication
- 10/100Mbps Ethernet, 230Kbps max. serial interface
- Supports DNS, static & DHCP IP configuration
- Compact size at 1.9"L x 1.2"W x 0.7"H

Part No.	Mfr. Part No.	1	5
2132664	WIZ108SR	\$23.95	\$22.95

3" to 13" Nylon Cable Ties

Standard

- Cable ties made from UL approved Nylon 66
- Temp. range: -40°C to +85°C
- Flammability rating: UL 94V-2
- Color: natural

Part No.	Size (L" x W")	Tensile Strength	100	1000
70561	3.0 x 0.10	18 lbs.	\$.03	\$.02
126544	4.0 x 0.10	18 lbs.	.04	.03
139150	8.0 x 0.10	18 lbs.	.05	.04
182669	8.0 x 0.13	18 lbs.	.06	.05
182685	8.0 x 0.18	18 lbs.	.07	.06
70907	6.0 x 0.14	40 lbs.	.08	.06
190756	10.0 x 0.14	40 lbs.	.09	.07
190772	11.0 x 0.19	40 lbs.	.10	.08
190764	13.0 x 0.14	40 lbs.	.11	.09

Weather Resistant (black)

- Contains Carbonate A for greater resistance to ultraviolet rays in outdoor use
- UL94V-2

Part No.	Size (L" x W")	Tensile Strength	100	1000
139125	3.0 x 0.10	18 lbs.	\$.04	\$.03
104142	4.0 x 0.10	18 lbs.	.05	.03
104134	6.0 x 0.10	40 lbs.	.08	.05
190782	8.0 x 0.13	40 lbs.	.11	.08
190800	10.0 x 0.14	40 lbs.	.18	.13
190802	13.0 x 0.14	40 lbs.	.19	.17

Cable Tie Assortment Kits

- Tensile strength: 18-50 lbs.
- UL94V-2

Part No.	# of Pieces	# of Colors	1	5	25
145701	1000	10	\$14.95	\$13.49	\$11.95
150412	850	5	24.95	22.49	19.95

Cable Tie Mounts & Cable Clamps

- Tie mount and screw tab cable clamps
- Material: UL approved nylon 66, 94V-2



Part No.	Cross Ref. No.	Fig.	Description	Order in multiples of 10		
				10	100	1000
182942	050HC-101S	1	4-way cable tie mount, self-adhesive, use w/ 0.18"W max. ties, .75"sq.	\$.15	\$.13	\$.12
171214	HC-100	1	4-way cable tie mount, self-adhesive, use w/ 0.1"W max., 0.5" square	.16	.14	.13
71408	HC-101	1	4-way cable tie mount, self-adhesive, use w/ 0.1"W max., 0.9" square	.19	.17	.15
71395	HC-102	1	4-way cable tie mount, self-adhesive, use w/ 0.2"W max., 1.1" square	.25	.23	.19
71386	HC-103	1	2-way cable tie mount, self-adhesive, use w/ 0.2"W max., 1.1" square	.33	.29	.27
70595	HC-0	2	4-way cable tie, screw type, use w/ 0.2"W max., 0.8"L x 0.4"W	.19	.17	.15
173761	HC-1	3	Cable tie mount, saddle type, 0.14" screw hole, 0.6"L x 0.4"W, use w/ 0.2"W max. ties	.12	.11	.10
182301	0510HC-2	3	Cable tie mount, saddle type, 0.14" screw hole, 0.9"L x 0.6"W, use w/ 0.35"W max. ties	.17	.15	.14
182376	0519ATC-22	4	Ladder style releaseable cable tie w/ 2.8" strap, self-adhesive, 1.2"L x 0.85"W	.16	.13	.10
182334	0520FC-1	5	Cable tie mount, self-adhesive, 0.5"L x 0.4"W, use w/ 0.3"W max. ties	.21	.19	.16
173729	UC0.5	6	Cable clamp for 3/16" cable	.08	.06	.05
173737	UC1	6	Cable clamp for 1/4" cable	.11	.10	.09
71062	MCV-100R	7	Cable ID tie (4"L x 0.1"W) with tab (.98"W x .31"H)	.25	.22	.19

3M Wire Marker Tape Dispenser

Dispenser with ten refillable compartments for marking wire with numbers 0 to 9.

- Self-adhesive tapes
- Size: (tape) 96"L x 0.25"W
- 1 roll each numbered 0 to 9



Part No.	Mfr. Part No.	1	5
159231	STD-0-9	\$46.95	\$42.95

Universal Cable Tie Tool

- 0.1" - 0.19" width cable ties
- Tension adjustable
- Spring return action • Metal



Part No.	Cross Ref. No.	1	5	10
182298	0302TG-7	\$19.95	\$18.49	\$16.95

Round-Type Strain Relief Bushings

- UL approved nylon 66, 94V-2
- Used extensively for protecting cords and to prolong cord life

Part No.	Cable Type	Length (in.)	10	100	1000
182351	SVI/SVT	.43	\$.14	\$.12	\$.10
182369	SJ/SJT; 16 AWG	.58	.14	.12	.10

17" Self-Grip/Wrap Velcro Straps

- Wrap around anything and sticks to itself for fast, easy bundling
- Bundle cords, cables, wires, pipes, tubing and trees (landscaping)
- Grip on one side, loop on back
- Eliminates plastic tie wraps and hardware • Reusable
- Size: 17"L x 1/2"W (cut to your length)
- Color: black
- 12 pieces in pack



Part No.	Description	1	10	20
2125325	Self-grip/wrap velcro	\$5.95	\$5.39	\$4.95

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Braid, Heat Shrink Tubing & Heat Guns

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN

TECHNICAL FLEXO® Braided Sleeve

- Color: black
- Length: 25 feet
- Cut and abrasion resistant
- Maintains properties across wide temperature range
- UV resistant

Flexo® Clean-Cut Braided

- Dense braid structure provides fuller coverage
- Fray resistant when cut w/ scissors

Part No.	Mfr. Part No.	Min/Max Flex (in.)	Inside Dia. (in.)	Outside Dia. (in.)	1	5
162157	CCP0.25BK25	5/32 - 7/16	0.250	0.440	\$15.95	\$14.49
162165	CCP0.50BK25	1/4 - 3/4	0.500	0.750	17.95	15.95

Flexo® Pet Braided

- Braided from 10 mil polyethylene terephthalate monofilament yarns
- UL recognized component
- Conforms to FMVSS 302
- High tensile strength

Part No.	Mfr. Part No.	Min/Max Flex (in.)	Inside Dia. (in.)	Outside Dia. (in.)	1	5
693679	PTN0.25BK25	1/8 - 7/16	0.250	0.440	\$8.95	\$7.95
695383	PTN0.50BK25	1/4 - 3/4	0.500	0.550	11.95	10.95

JAMECO ValuePro Flat & Tubular Tinned Copper Braid

These braids are used for shielding cables, ground straps, and as a protective braid covering hoses and tubes.

- Woven wire construction
- 100 ft. spools
- 95% minimum shield coverage
- QQ-W-343 & ASTM B-33 Compliant

Part No.	Description	1	5	25
2124189	1/4" nominal width x .03" flat, 168 x 36 strand, approx. 14 AWG	\$49.95	\$47.49	\$44.95
2124154	Tubular 1/4" nominal ID, 384 x 36 strand, approx. 10 AWG	79.95	74.95	69.95
2124162	Tubular 3/8" nominal ID, 384 x 36 strand, approx. 10 AWG	89.95	79.95	74.95

3M JAMECO ValuePro Heat Shrink Tubing Kits

A selection of heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275°F (135°C).

2095963		2095971		2095947		285481		645976	
Size	Pieces	Size	Pieces	Size	Pieces	Size	Pieces	Size	Pieces
1/16"	56	1/8"	12	1/16"	56	3/16"	30	3/32"	35
3/32"	35	1/4"	10	3/32"	35	1/4"	28	1/8"	28
1/8"	28	3/8"	6	1/8"	28	3/8"	20	3/16"	21
3/16"	18	1/2"	4	3/16"	18	1/2"	14	1/4"	21
1/4"	9	3/4"	3	1/4"	9	3/4"	6	3/8"	14
3/8"	8	1"	2	3/8"	8	1"	4	1/2"	14

Part No.	Mfr.	Description	Pieces	Length	1	5
2095963	ValuePro	Black, assorted diameters	154	4" ...	\$19.95	\$17.95
2095971	ValuePro	Black, dual wall, moisture resistant	37	4"	22.95	19.95
2095947	ValuePro	Black/red/white/yellow/blue/green/clear	154	4"	22.95	19.95
285481	3M	Black, assorted diameters	102	6"	79.95	69.95
645976	3M	Black/red/white/yellow/blue/green/clear	133	6"	69.95	66.49

NTE HEATSHRINK Heat Guns and Strippers

All Master® products are made in the US from superior quality materials and the finest craftsmanship. Heat guns are ideally suited for drying, heating, welding, shrinking, soldering, desoldering, and many other applications where heat is required.

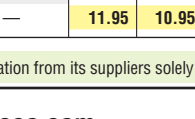
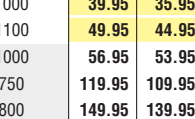
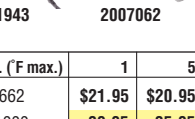
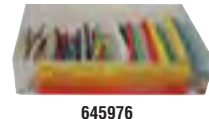
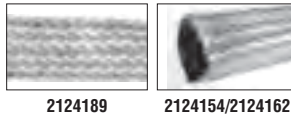
- 2076578: • CFM selectable
- Weight: 1.0 lb.
- Includes 4 attachments & case

- 2076501: • No-slip adjustable stand
- Weight: 4.0 lbs.

- 191943: • 3-pos. switch (hot/off/cool)

Part No.	Mfr.	Product No.	Description	Watts	Heat Setting (°F)	Temp. (°F max.)	1	5
2117413	NTE	HG300-D	Mini heat gun	350	482-662	662	\$21.95	\$20.95
254925	BenchPro	1001A	Economical heat gun	1200	600 & 1000	1000	39.95	35.95
76865	BenchPro	G1HG1	Heat gun/stripper	1500	600 & 1100	1100	49.95	44.95
2076578	Master	EC-100K	Economical heat gun (7 & 9 CFM)	1200	500 & 1000	1000	56.95	53.95
2076501	Master	HG-501A	Industrial heat gun (23 CFM)	1680	750	750	119.95	109.95
191943	Weller	6996C	Industrial heat gun	250	750-800	800	149.95	139.95
2007062	BenchPro	1004	Accessory kit for 254925	—	—	—	11.95	10.95

* Web Code: ECQ



Polyolefin Round Heat Shrink Tubing

FIT221/FIT221B Series

Insulation from environment and resistance from water, fungus, and UV light. Use for insulation and repair, wire and cable harnessing/bundling, cable and connector protection, and wire and tubing splicing and connecting.

- Operating temp: -55°C to 135°C
- Shrinkage ratio: 2:1 @ 121°C
- Dielectric strength: 500V/mil (197kV/cm)
- Volume resistivity: 10¹⁴Ω-cm



419119



Clear (4-foot pieces)

* Web Code: HST

Part No.	Mfr. Part No.	Before/After ID (in.)	1	10	100
419119	FIT221-3/64	.046/.023	\$.99	\$.89	\$.79
419135	FIT221-1/16	.063/.031	1.09	.99	.89
419231	FIT221-3/8	.375/.187	2.49	2.25	1.95
419274	FIT221-3/4	.750/.375	2.95	2.75	2.49
2113682	TT-72801	1.00/.500	3.95	3.59	3.39

Black (4-foot pieces)

419101	FIT221B-3/64	.046/.023	\$1.25	\$1.09	\$.99
419127	FIT221B-1/16	.063/.031	1.35	1.19	1.09
419143	FIT221B-3/32	.093/.046	1.45	1.29	1.19
419160	FIT221B-1/8	.125/.062	1.55	1.39	1.25
419186	FIT221B-3/16	.187/.093	1.75	1.59	1.45
419207	FIT221B-1/4	.250/.125	1.95	1.75	1.59
419223	FIT221B-3/8	.375/.187	2.25	1.95	1.75
419240	FIT221B-1/2	.500/.250	2.49	2.25	1.95

Flat Black Heat Shrink Tubing

- 2:1 uniform shrink ratio
- Shrink temp.: 125°C
- VW-1 rated
- UL/CSA

* Web Code: HST



Polyolefin Tubing

- Only sold in 10' & 100' lengths



Part No.	Dia. Before (mm)	Length (ft.)	1	10
644834	0.12" (3)	10	\$2.49	\$1.95
644851	0.12" (3)	100	15.95	13.95
644869	0.16" (4)	10	2.49	1.95
644877	0.16" (4)	100	17.95	15.95
644906	0.20" (5)	10	2.75	2.19
644914	0.20" (5)	100	19.95	17.95
644931	0.24" (6)	10	2.95	2.39
644949	0.24" (6)	100	24.95	21.95
644957	0.31" (8)	10	3.75	3.19
644965	0.31" (8)	100	31.95	27.95
644973	0.43" (11)	10	4.49	3.95
644990	0.59" (15)	10	4.95	4.49

Polyolefin Flexible Round Tubing

- Dielectric strength: 1300V
- Temp. range: -45°C to +125°C
- Flame retardant VW-1
- Color: black
- Precut 39" length (1 meter)



72063

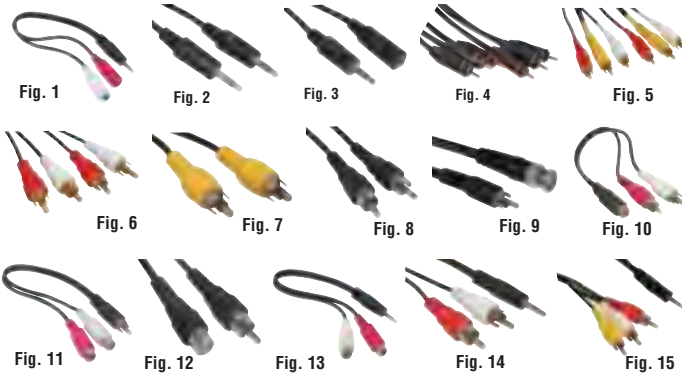
Part No.	Dia. Before (mm)	1	10	100
71871	.079" (2.0)	\$.79	\$.69	\$.59
71280	.098" (2.5)	.89	.79	.69
72063	.197" (5.0)	1.09	.99	.89

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Audio/Video Cables, Adapters and Connectors

JAMECO ValuePro

Audio/Video Cables and Adapters



3.5mm Audio Splitter and Extension/Patch Cables

Part No.	Fig.	Description	1	10	100
228398	1	6' 3.5mm stereo Y-cable F jacks (2) to M plug	\$2.35	\$2.09	\$1.89
2174637	2	2' 3.5mm stereo M to M plug (black)	.95	.85	.75
228494	2	6' 3.5mm stereo M to M plug (black)	1.45	1.29	1.15
228515	3	6' 3.5mm stereo M plug to F jack (black)	2.35	2.09	1.89
228507	2	12' 3.5mm stereo M to M plug (black)	1.95	1.75	1.59
228523	3	12' 3.5mm stereo M plug to F jack (black)	2.49	2.25	1.95

*Web Code: JAU

JAMECO ValuePro

DVI & High Definition Multimedia Interface (HDMI) Cables & Adapters

HDMI provides an interface between any audio/video source, such as set-top box, DVD players, A/V receivers, audio/video monitors, DTV, HDTV, and plasma monitor.



Part No.	Fig.	Product No.	Description	1	5	25
1944142	1	10HM-01128-01	HDMI male to male, 1 meter	\$8.95	\$7.95	\$6.95
1944151	1	10HM-01128-02	HDMI male to male, 2 meters	9.95	8.95	7.95
2145131	1	PCM-2295-03M	HDMI male to male, 3 meters	10.95	9.95	8.95
1944169	1	10HM-01128-05	HDMI male to male, 5 meters	12.95	11.95	10.95
1944185	2	10HM-15128-02	HDMI male to DVI-D single link, 2 meters	10.95	9.95	8.95
2145140	2	PCM-2296-03M	HDMI male to DVI-D single link, 3 meters	12.95	11.95	10.95
2172922	5	HDMI-6001	HDMI male to RCA comp video 2 meter	9.95	8.95	7.95
2125907	3	F27334-1	VGA to DVI-A M adapter	6.95	5.95	4.95
320346	4	5313118067F0	DVI single link cable, 2 meters	4.95	4.49	3.95
1944265	4	10DV-07103-G	DVI dual link cable, 3 meters	12.95	11.95	10.95

*Web Code: DEM

BELKIN

RCA Audio Adapters

Part No.	Manufacturer	Product No.	Description	1	10	100
228283	ValuePro	251-120	RCA F jack to mono 1/4" M plug	\$.69	\$.59	\$.55
228267	ValuePro	251-116	RCA F to F jack coupler, gold plated	.59	.55	.49
2115629	Belkin	F8V210TT	RCA F to F jack coupler, silver plated	.49	.45	.39

*Web Code: KBQ



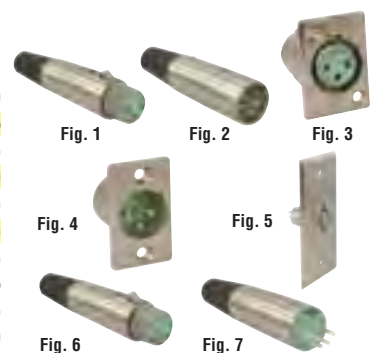
Switchcraft

Microphone (XLR) Connectors

Part No.	Manufacturer	Product No.	Fig.	Description	Dimensions (mm)	1	10	25
277026	Switchcraft	A3F	1	3-pin female, straight cord plug w/ latchlock	81.8 x 19 Dia.	\$6.49	\$5.95	\$5.49
319003	ValuePro	250-720	1	3-pin female, straight cord plug w/ latchlock	81.5L x 7.43D	2.25	1.95	1.75
281560	Switchcraft	A3M	2	3-pin male, straight cord plug, latch holder	70.6 x 19 Dia.	4.55	3.95	3.65
319011	ValuePro	250-710	2	3-pin male, straight cord plug, latch holder	70.6L x 7.31D	2.95	2.65	2.39
281640	Switchcraft	D3F	3	3-pin female, metal, panel mount, latchlock	27.0W x 36.3H x 30.6D	4.95	4.49	3.95
319038	ValuePro	250-705	3	3-pin female, metal, panel mount, latchlock	26.2W x 35.5H x 35.9D	3.95	3.49	2.95
281658	Switchcraft	D3M	4	3-pin male, metal, panel mount, latch holder	22.1W x 36.3H x 22.9D	4.95	4.49	3.95
281720	Switchcraft	J3FS	5	3-pin female, metal, wall plate, latchlock	69.9W x 114.3H x 35.3D	23.95	22.95	20.95
281586	Switchcraft	A4F	6	4-pin female, straight cord plug w/ latchlock	81.2L x 19Dia.	9.95	9.49	8.95
281594	Switchcraft	A4M	7	4-pin male, straight cord plug, latch holder	70.6L x 19Dia.	7.49	6.95	6.49

NEW
MARKED IN PINK

*Web Code: ABV

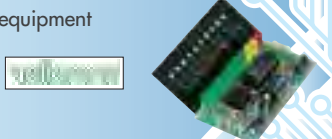


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51

Audio Plugs, Jacks & D-Sub Adapters

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Switchcraft®

JAMECO ValuePro

Stereo, Phone, Audio Plugs & Jacks

* Web Code: **AJS**

Part No.	Mfr.	Product No.	Fig.	Description	Dimensions (mm)	* Order in multiples of 10		
						1	10	100
281869	Switchcraft	750	1	3.5mm mono audio plug, plastic	41.5L x 5.7 ID	\$4.25	\$3.95	\$3.75
281754	Switchcraft	250	2	1/4" mono phone audio plug, plastic	73.7L x 7.6 ID	3.69	3.49	3.29
281789	Switchcraft	297	3	1/4" stereo phone audio plug, metal	73.7L x 7.6 ID	4.95	4.49	3.95
281771	Switchcraft	280	4	1/4" mono phone audio plug, metal	73.7L x 7.6 ID	4.49	3.69	3.25
229921	ValuePro	JR1625BLK	5	RCA plug, plastic, black (5 pk)	51.5L x 5.0 ID	1.45	1.29	1.15
229930	ValuePro	JR1625	6	RCA plug, plastic, red (5 pk)	51.5L x 5.0 ID	1.45	1.29	1.15
281800	Switchcraft	3502	7	RCA phone audio plug, metal	33.8L x 5.0 ID	2.49	2.19	1.95
2125579	ValuePro	3502-1	8	RCA phone audio plug, nickel	34.5L x 7.2ID	1.59	1.45	1.29
2081238	Shogyo	SCJ330	9	3.5mm mono audio jack, panel mount	10.6H x 9.0W x 21.7L	1.95	1.75	1.49
2095437	ValuePro	J355W	10	3.5mm stereo audio jack, panel mt., terminal	10.1H x 8.4W x 17.6L	1.49	1.15	.99
281834	Switchcraft	41	10	3.5mm audio jack, panel mount, terminal	7.8L x 5.9 Dia.	2.39	2.25	2.09
2161529	ValuePro	PJ-3065AM	11	3.5mm stereo jack, rt. angle horz., threaded†	6.0H x 11.0W x 8.0L	1.39	1.25	1.09
568392	Switchcraft	35RAPC4BH3	11	3.5mm stereo jack, rt. angle horz., threaded†	6.0H x 11.0W x 8.0L	1.95	1.75	1.49
1766180	ValuePro	35RAPC4BHN2	11	3.5mm stereo jack, rt. angle horz., non-threaded	5.0H x 12.0W x 15.0L	1.35	1.19	1.09
2081334	Shogyo	354-3PY	11	3.5mm mono jack, rt. angle horz., non-threaded	6.1H x 11.9W x 12.0L	1.09	.89	.69
2100291	ValuePro	354-PY (CT)	12	3.5mm mono jack, rt. angle horz., threaded	6.45H x 11.7W x 14.3L	1.09	.89	.69
2177740	ValuePro	DTJ-0366	13	3.5mm stereo jack, rt. angle horz., non-threaded	10.45H x 12.0W x 6.8L	.65	.59	.55
2168149	ValuePro	ASJ-5-3	14	3.5mm stereo jack, rt. angle vertical PC mount	12.3H x 8.1W x 14.0L	*	.22	.17
2161537	ValuePro	PJ-3066AM	14	3.5mm mono jack, rt. angle ver., threaded	11.6H x 7.7W x 14.0L	.89	.75	.65
1766121	Switchcraft	35RAPC2AV	14	3.5mm mono jack, rt. angle ver., threaded	11.6H x 7.7W x 14.0L	1.25	1.19	1.09
2161553	ValuePro	PJ-3064AM	14	3.5mm stereo jack, rt. angle ver., threaded	12.3H x 8.1W x 14.0L	1.49	1.35	1.19
1766198	Switchcraft	35RAPC4BV4	14	3.5mm stereo jack, rt. angle ver., threaded	12.3H x 8.1W x 14.0L	2.25	1.95	1.75
2095373	ValuePro	HTJ-035-22D	15	3.5mm mono jack, rt. angle horz., non-threaded, blk.	10.45H x 10.0W x 14.0L	.89	.79	.69
2161490	ValuePro	JR-1804	16	1/4" mono phone audio jack, 2-pos., single open	12.8L x 9.1" Dia.	1.09	.99	.89
281738	Switchcraft	11	16	1/4" mono phone audio jack, 2-pos., single open	12.8L x 9.1 Dia.	1.95	1.75	1.59
2161502	ValuePro	JR-1803	17	1/4" mono phone audio jack, 2-pos., single closed	31.7L x 9.4 Dia.	1.25	1.09	.99
296892	Switchcraft	12A	17	1/4" mono phone audio jack, 2-pos., single closed	31.7L x 9.4 Dia.	2.39	2.25	2.15
2161440	ValuePro	JR-1802	17	1/4" stereo phone audio jack, 3-pos., double open	14.7L x 9.1 Dia.	1.25	1.09	.95
281746	Switchcraft	12B	17	1/4" stereo phone audio jack, 3-pos., double open	14.7L x 9.1 Dia.	2.09	1.95	1.85
2120209	ValuePro	STJ-25	18	1/4" stereo phone audio jack, shielded, threaded	20.8L x 16.7W x 16.5H	1.69	1.49	1.35
220581	ValuePro	KY-006-1(W)	19	RCA jack, PCB mount, white, metal	11.2H x 14.2W x 12.2L	.59	.55	.49
220556	ValuePro	KY-006-1(R)	19	RCA jack, PCB mount, red, metal	11.2H x 14.2W x 12.2L	.65	.59	.55
220572	ValuePro	KY-006-1(B)	19	RCA jack, PCB mount, black, metal	11.2H x 14.2W x 12.2L	.45	.39	.35
220564	ValuePro	KY-006-1(Y)	19	RCA jack, PCB mount, yellow, metal	11.2H x 14.2W x 12.2L	.45	.39	.35
2076359	ValuePro	AJ842G3	20	RCA jack, PCB mount, rt. angle, red/white/yellow (3)	40.6H x 22.9W x 21.6L	.55	.49	.45
169502	ValuePro	SCJ-0358-BLK-R	21	RCA jack, PCB mount, black, plastic	10.2H x 21.6W x 12.7L	.55	.49	.45
319249	Velleman	CA066	22	RCA jack, 2 pair stereo, panel mount, red/white	73.7H x 12.2W x 24.9L	.95	.85	.75
159485	ValuePro	CS7021-DN-BLK-R	23	RCA jack, panel mount, black	21.3W x 9.7H	.95	.85	.75
172340	ValuePro	CS7021-DN-RD-R	23	RCA jack, panel mount, red	21.3W x 9.7H	.85	.75	.69
2123469	GC/Waldom	33-1404R	24	Speaker terminal board, 4-pos, pushbutton	76.2H x 25.4W x 31.8D	2.25	1.95	1.75

† Closed circuit



OPEN-FRAME POWER SUPPLIES

- Single, dual and triple output options available
- Universal AC input, full range
- Short circuit, overload and over voltage protection
- Power output options from 1.5 to 500 watts

Complete details on page 106-107

40-WATT TRIPLE-OUTPUT OPEN-FRAME POWER SUPPLY

- Universal Input: 85-264VAC
- Triple output: +5V@3A, +12V@2A, -5V@0.35A
- Short circuit, overload, over-voltage protection
- Size: 5"L x 3"W x 1.2"H • Certification: UL, CSA, TUV

Part No.	Mfr. Part No.	1	5
2081617	NFN40-7607	\$10.95	\$9.49

* Web Code: **OSP**

Blowout Prices!

DC POWER JACKS, PLUGS AND ADAPTERS

Part No.	Description	1	10
101178	2.1 x 5.5mm male panel mount solder eyelet	\$3.39	\$3.35
151590	2.1 x 5.5mm male panel mount solder eyelet	.89	.79
151555	2.1 x 5.5mm male panel & PCB mount solder eyelet	1.49	1.35
159611	2.1 x 5.5mm male cable mount solder eyelet	1.75	1.59
151563	2.5 x 5.5mm male panel & PCB mount solder eyelet	1.49	1.35
159506	2.5 x 5.5mm male cable mount solder eyelet	1.49	1.35
28760	F plug, 2.1mm ID x 5.5mm OD x 9.5mm L (P205)	.89	.79
138587	F plug, 2.1mm ID x 5.5mm OD x 12mm L (rt. angle)	.89	.79
190538	F plug, 2.5mm ID x 5.5mm OD x 9.5mm L	.89	.79
28768	F plug, 2.5mm ID x 5.5mm OD x 9.5mm L (P206)	.89	.79
231176	M plug, 3.5mm OD x 14mm L (stereo)	.79	.69
1953591	Adapter, 2.1mm M to 2.5mm F (1.4"L)	1.59	1.45

See page 152 for complete selection of Computer Cables

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Right Angle PCB Mount

Metal .318" Setback – Tin plated short style

* Web Code: ESO

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
1952839	Foxconn	D-SUB-9M†	9	M	\$.49	\$.39	\$.29
104943	ValuePro	DB9P318	9	M	.85	.75	.65
104952	ValuePro	DB9S318	9	F	.79	.69	.59
614504	AMP	747844-4†	9	F	1.25	1.19	.99
71124	ValuePro	DA15P318	15	M	.75	.65	.55
71125	ValuePro	DA15P318	15	M	.85	.79	.65
1952273	Kycon	HDDSUB-15S†*	15	F	*	.09	.08
77956	ValuePro	DA15S318	15	F	.85	.79	.65
2145001	ValuePro	PT285805-15††	15	F	.59	.49	.39
71466	ValuePro	HDDB15S318*	15	F	.99	.89	.79
15150	ValuePro	DB25P318	25	M	.85	.75	.65
15182	ValuePro	DB25S318	25	F	.95	.85	.75
71706	ValuePro	DC37P318†	37	M	1.25	1.09	.95
78183	ValuePro	DC37S318†	37	F	1.25	1.09	.95

* High Density † Without female jack screws †† Non-removable jack screws

Right Angle PCB Mount

Metal .590" Set Back – Tin plated long style

• Current rating: 1A

* Web Code: HAN

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
104970	ValuePro	DB9P590	9	M	\$1.09	\$.99	\$.89
104978	ValuePro	DB9S590	9	F	1.29	1.15	.99
104985	Astron	DA15P590†	15	M	*	.09	.08
104993	ValuePro	DA15S590†	15	F	*	.09	.08
104994	ValuePro	DA15S590	15	F	.75	.65	.55
189624	ValuePro	DB25P590††	25	M	*	.09	.08
105013	ValuePro	DB25S590†	25	F	1.25	1.09	.89
2135056	ValuePro	1011-25A-R	25	F	1.25	1.09	.95
105014	ValuePro	DB25S590	25	F	1.49	1.25	1.09

† Without female jack screws †† Without board tabs

IDC Ribbon Cable

- Contact material: phosphor bronze
- Terminates with standard D-type connectors

* Web Code: MAP

Part No.	Manufacturer	Product No.	Shell	Cont.	Gender	1	10	100
109226	ValuePro	MDB9P	Metal	9	M	\$2.15	\$1.95	\$1.75
12504	ValuePro	CDB9P	Plastic	9	M	1.95	1.75	1.49
109218	ValuePro	MDB9S	Metal	9	F	1.95	1.75	1.49
12521	ValuePro	CDB9S	Plastic	9	F	2.25	1.95	1.75
117382	ValuePro	MDA15P	Metal	15	M	1.95	1.75	1.49
116012	ValuePro	MDA15S	Metal	15	F	2.25	1.95	1.75
115984	ValuePro	MDB25P	Metal	25	M	2.75	2.49	2.25
12335	ValuePro	CDB25P	Plastic	25	M	1.89	1.75	1.49
115976	ValuePro	MDB25S	Metal	25	F	2.49	2.25	1.95
12432	ValuePro	CDB25S	Plastic	25	F	1.95	1.75	1.49
2162708	CWI	CMP37TW#	Metal	37	M	1.95	1.75	1.49
115992	ValuePro	MDC37P	Metal	37	M	3.25	2.95	2.65
12466	ValuePro	CDC37P	Plastic	37	M	1.95	1.75	1.59
116004	ValuePro	MDC37S	Metal	37	F	3.49	2.95	2.49

Without strain relief

Panel Bracket Cable Assemblies

- Standard back panel bracket
- Length: 12"
- Ribbon cable with header connector

* Web Code: RAX

Part No.	Description	Port	1	10	100
355688	DB9M to 10-pin header F	1 serial	\$1.49	\$1.35	\$1.19
1952265	DB9F to 10-pin header F	1 serial	1.25	1.09	.95
149623	DB25F to 26-pin header F	1 parallel	3.95	3.59	3.25

Metal Solder-Cup

* Web Code: EAB

203799

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
15748	ValuePro	1001-9P-R	9	M	\$.75	\$.65	\$.55
222990	AMP	747904-2	9	M	2.95	2.49	2.25
15771	ValuePro	500-109	9	F	.75	.65	.55
2125510	Amphenol	DB9S-SFJ†	9	F	1.25	1.09	.95
223052	AMP	747905-2	9	F	2.95	2.75	2.49
15035	ValuePro	1001-15P-R	15	M	.85	.69	.59
15078	ValuePro	1002-15P-R*	15	M	1.09	.89	.75
15052	ValuePro	1001-15S-R	15	F	.85	.69	.59
164823	ValuePro	1002-15S-R*	15	F	1.09	.89	.75
15115	ValuePro	1001-25P-R	25	M	1.25	.99	.89
223010	AMP	747912-2	25	M	3.49	3.25	2.95
15157	ValuePro	500-125	25	F	1.25	.99	.89
203799	ValuePro	1002-26P*	26	M	.75	.65	.59
639630	Amphenol	EDC37P	37	M	.59	.55	.49
15473	ValuePro	1002-37P	37	M	1.49	1.25	1.09
482724	Amphenol	EDC37S	37	F	.99	.89	.75
15500	ValuePro	1001-37S	37	F	1.49	1.25	1.09
482732	Amphenol	EDD50P	50	M	.99	.89	.75
15676	ValuePro	GC029-R	50	M	1.25	1.09	.99
482741	Amphenol	EDD50S	50	F	.75	.65	.59

† With female jack screws * High Density

Metal Straight PCB Mount

* Web Code: SBK

2133510

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
111692	ValuePro	DB9PPCB	9	M	\$.65	\$.55	\$.45
15781	ValuePro	DB9SPCB	9	F	.65	.55	.45
176760	ValuePro	DA15PPCB	15	M	.75	.65	.55
176752	ValuePro	DA15SPCB	15	F	.75	.65	.55
2133510	AMP	749798-1*	15	F	.75	.65	.59
15123	ValuePro	DB25PPCB	25	M	.89	.79	.69
15165	ValuePro	DB25SPCB	25	F	.99	.89	.79
180021	ValuePro	DC37SPCB	37	F	1.49	1.25	1.09

* High Density

Crimp-Type

* Web Code: UBR

73189

38771

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
73189	ValuePro	500-010	9	M	\$.55	\$.45	\$.35
222640	AMP	205204-1 (Tin)	9	M	1.15	.95	.85
73197	ValuePro	500-110	9	F	.55	.45	.35
222842	AMP	205203-3 (Tin)	9	F	.89	.79	.69
222691	AMP	205203-1 (Zinc)	9	F	1.15	.95	.85
73200	ValuePro	G37-15	15	M	.59	.49	.39
180882	ValuePro	1006-15P-R*	15	M	.59	.49	.39
222658	AMP	205206-1 (Zinc)	15	M	.89	.79	.69
73219	ValuePro	G1G125-R	15	F	.59	.49	.39
38789	ValuePro	500-027	25	M	.89	.75	.65
38771	ValuePro	500-1N27	25	F	.89	.75	.65

* High Density

* Additional D-Sub Connectors — Enter Web Code DSB

Computer Card Brackets

- For securing cards into bus slots
- Fits PC/XT/AT cases • Length: 4.75"
- See pg 53 for DB connectors

Part No.	Description	1	10	100
11755	Blank back panel	\$1.39	\$1.25	\$1.09
101733	For DB25 connector	.29	.25	.19
101831	For DB9/DB25 conn.	.79	.75	.65

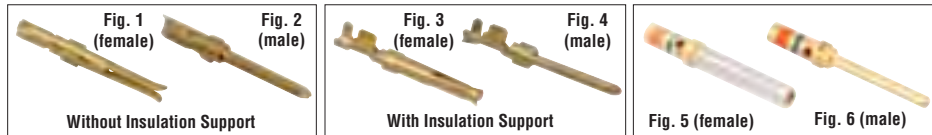
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D-Sub Contacts, Hoods & Hardware

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN

AMP D-Sub Solder & Crimp Contacts

*Web Code: JDC



Female Solder Contact – Fig. 1

Part No.	Mfr.	Product No.	AWG	1	10	100
223319	AMP	66569-3	18 ...	\$.35	\$.29	\$.25

Male Solder Contact – Fig. 2

Part No.	Mfr.	Product No.	AWG	1	10	100
234982	AMP	66570-3	28-24	\$.35	\$.29	\$.25

Female Crimp Contacts – Fig. 3

Part No.	Mfr.	Product No.	AWG	Order in multiples of 10		
				10	100	100
43369	ValuePro	500-155	28-24	\$.15	\$.12	\$.09
185412	ValuePro	1006-PS	28-24	... .12	.09	.07
223221	AMP	1-66505-0	28-24	... .19	.15	.12
223247	AMP	745253-6	26-22	... .15	.12	—
860001	AMP	66504-4	24-20	... .09	.08	.07
223298	AMP	66504-9	24-20	... .19	.15	.12
223255	AMP	1-66504-0	24-20	... .19	.15	.12

Male Crimp Contacts– Fig. 4

Part No.	Mfr.	Product No.	AWG	1	10	100
185421	ValuePro	1006-PP†	28-24	... *	\$.12	\$.09
43377	ValuePro	500-055	28-24	... *	.15	.12
223108	AMP	66507-9	28-24	... *	.19	.17
223132	AMP	745254-7	26-22	... .35	.29	.25
223191	AMP	66506-9	24-20	... *	.19	.15
223167	AMP	1-66506-0	24-20	... *	.19	.15
223175	AMP	205202-7	24-20	... .45	.35	.29

† Use with 180882, pg 53

Female Crimp Contact (M39029/63-368) – Fig. 5

Part No.	Mfr.	Product No.	1	10	100
449351	AMP	205090-1	... .69	\$.59	\$.55

Male Crimp Contact (M39029/64-369) – Fig. 6

Part No.	Mfr.	Product No.	1	10	100
449342	AMP	205089-1	... .69	\$.59	\$.55

AMP Hardware for D-Sub Connector Hoods

JAMECO ValuePro

*Web Code: PAM



4-40 Hex Jack Screw Sets

- 614096:** 4-40 Hex (.187"W x .187"H x .250"L thread) jack screw, nuts & washer set (2) – plating A
- 16548:** 4-40 Hex (.187"W x .187"H x .315"L thread) jack screw, nut & washer set – plating B
- 2100283:** 4-40 Hex (.187"W x .187"H x .315"L thread) jack screw with lock washer – plating D
- 444912:** 4-40 Hex (.187"W x .187"H x .630"L thread) jack screw, nut & washers set – plating C

Part No.	Mfr.	Prod. No.	Plating*	Order in multiples of 10		
				1	10	100
614096	AMP	745563	A	\$.1.09	\$.99	\$.89
16548	ValuePro	14-522	B	... *	.55	.49
2100283	ValuePro	JS4403LW	D	... *	.19	.15
444912	Cinch	D20418-39	C	... 1.95	1.75	1.59

4-40 x .187" Jack Screws

Part No.	Mfr.	Length	Plating*	1	10	100
169931	ValuePro	.275"	A	... \$.29	\$.25	\$.19
1582209	Keystone	.315"	C	... *	.19	.15
102816	ValuePro	.437"	B	... .45	.39	.29
108987	ValuePro	.515"	A	... .49	.45	.35

4-40 x .187".195" Standoffs

Part No.	Mfr.	Length	Plating*	1	10	100
175636	ValuePro	.187"	B	... \$.29	\$.25	\$.19
102796	ValuePro	.235"	A	... .39	.35	.29

4-40 Slotted Plastic Thumbscrew

Part No.	Mfr.	Length	Plating*	1	10	100
125015	ValuePro	1.65"	A	... \$.39	\$.35	\$.29

*Plating – A: Zinc, clear chromate B: Chrome
C: Zinc, yellow chromate D: Chrome with lock washer

Slim-Line D-Sub Gender Changers

*Web Code: YAB



For Confined Applications!

- Captive locking screw (male)
- Captive locking nut (female)
- Grounding tangs (male)
- Tin plated shells
- Width: 0.69"

D-Sub Crimping Tool & Protoboards

This crimping tool easily crimps D-sub pins and sockets while the protoboards are designed with D-sub edge connectors



Part No.	Description	1	10
159266	D-sub crimping tool, 20-28 AWG	\$11.95	\$10.95
21531	Prototyping board, 4.2" x 6.5"	11.95	10.95
263215	Prototyping board, 4.3" x 2.5"	8.95	7.95

D-Sub Connector Hoods

*Web Code: DAB



- Use with D-sub solder cup and housing style connectors (hardware included)
- D Series:** Plastic hood with strain relief (gray)
- MD Series:** Metal coated plastic hood w/ strain relief
- MH Series:** Die-cast metal hood with strain relief

Part No.	Mfr.	Product No.	Pins	1	10	100
15722	ValuePro	DB9H	9	\$.69	\$.59	\$.49
25620	ValuePro	MDB9H	9	... .75	.69	.59
147741	ValuePro	MHDB9	9	... 1.75	1.49	1.25
230893	AMP	205729-1†	9	... 2.95	2.75	2.49
15019	ValuePro	DA15H	15	... .89	.75	.65
25567	ValuePro	MDA15H	15	... 1.09	.95	.75
15086	ValuePro	DB25H	25	... .69	.59	.49
25604	ValuePro	MDB25H	25	... .99	.85	.69
15107	ValuePro	MHDB25	25	... 2.49	2.25	1.95
15457	ValuePro	DC37H	37	... 1.25	1.09	.89
25612	ValuePro	MDC37H	37	... .99	.89	.79

† Plastic clam shell hood (black)

JAMECO ValuePro

25-Pin Dual Plastic Hood

Designed for custom applications requiring two D-sub connectors. Kit includes: Backshell and hardware

Part No.	Description	1	10	100
34091	25-pin hood	... \$.99	\$.85	\$.69

*Junction Shells — Enter Web Code DAB

JAMECO ValuePro

D-Sub Crimping Tool

- Heavy-duty metal tool with cutter and insulated handles
- For computer pins & sockets, D-sub 26-28 AWG wire; butt-insulated connectors, 22-26 AWG wire; telephone spade lugs, 22-26 AWG wire and non-insulated connectors, 20-22 AWG & 14-18 AWG
- Coiled spring return • Size: 7.3"L x 1.5"W

Part No.	Mfr.	Part No.	1	5	25
99443	HT202A		\$9.95	\$8.95	\$7.95

More Tools on pages 130-135

JAMECO ValuePro

D-Sub 9-Pin to 25-Pin Serial Adapters

- For use in AT or other computer systems that have 9-pin D-sub serial ports
- 10305:** Thumbscrews on both sides
- 163740:** For PC/XT systems with DB25 serial ports
- 163740/153576:** For PC/XT systems with DB25 serial ports

Part No.	Description	1	10	100
10305	DB9 F to DB25 M	... \$2.95	\$2.49	\$1.95
664296	DB9 M to DB25 M	... .75	.69	.65
10321	DB9 M to DB25 F	... 3.49	3.15	2.85
163740	DB9 M to DB25 F, thumbscrews on DB9 side only	... .99	.89	.75
153576	DB9 M to DB25 F, thumbscrews on DB25 side only	... 1.49	1.35	1.19

molex Power Connectors

- 5.03mm (.198") pitch
- Passive friction lock
- Housing: nylon; UL94V-2
- Temperature range: -40°C to +105°C
- Contact retention to housing: 20 lbs. min.



Free Hanging Plug (Matrix)	Panel Mount Plug (In-line)	Free Hanging Receptacle (Matrix)	Panel Mount Receptacle (In-line)
.062" (1.57mm) Plugs (Contacts to the right)			
* Current: 5.0A			
Part No.	Mfr. Part No.	Circuits	Type
224485	03-06-2023	2	Free hanging
224506	03-06-2042	4	Free hanging
224514	03-06-2044	4	Free hanging

.062" (1.57mm) Receptacles (Contacts to the right)			
Part No.	Mfr. Part No.	Circuits	Type
224400	03-06-1023	2	Free hanging
224426	03-06-1042	4	Free hanging
224434	03-06-1044	4	Free hanging

.093" (2.36mm) Plugs (Contacts to the right)			
* Current: 12A/circuit			
Part No.	Mfr. Part No.	Circuits	Type
224071	03-09-2022	2	Free hanging
224080	03-09-2032	3	Free hanging
224098	03-09-2042	4	Free hanging

.093" (2.36mm) Receptacles (Contacts to the right)			
Part No.	Mfr. Part No.	Circuits	Type
224143	03-09-1022	2	Free hanging
224151	03-09-1032	3	Free hanging
224160	03-09-1042	4	Free hanging
230156	03-09-1041	4	Panel mount

AMP D-Sub Pin Insertion/Extraction Tools

- 19094/527582/223335: Plastic body; metal tips
- 223327: Handle with .050" hex wrench and exchangeable tips

Part No.	Mfr.	Product No.	Contact Size	1	10
19094	ValuePro	500-200	—	\$3.95	\$3.49
527582	AMP	91067-1	22	9.95	8.95
223335	AMP	91067-2	20DM/DF	17.95	15.95
223327	AMP	91285-1	HD-20	21.95	19.95

AMP Extraction Tool

- Works with general contacts of CPC, multimate and MATE-N-LOCK II contacts

Part No.	Mfr. Part No.	1	5
841838	305183	\$17.95	\$15.95

molex .093" Power Connector Kits

- Kit contains mating sets of housings and pins.
- Voltage: 250VAC • Temp. range: -40°C to +105°C

- 142181: 3 ea. 2-pin plugs & receptacles, 8 ea. female & male contacts • Current: 12A
- 142201: 2 ea. 4-pin plugs & receptacles, 10 ea. female & male contacts • Current: 9A



Part No.	Mfr. Part No.	Description	1	10	100
142181	1545	2-pin kit	\$5.95	\$5.49	\$4.95
142201	1490	4-pin kit	5.95	5.49	4.95

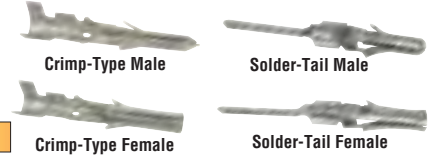
BEST SELLING MULTICONDUCTOR CABLE

Part No.	Description	Price
644412	9 conductor, 25 ft.	\$15.95
644421	9 conductor, 100 ft.	44.95
644455	15 conductor, 100 ft.	53.95

Belden Cable on page 46

molex Power Connector Contacts

- Contact: brass or phosphor bronze
- Temp. range: -40°C to +105°C
- Tin plating



Part No.	Mfr.	Mfr. Part No.	Description	Gender	AWG	10	100	1000
224581	Molex	02-06-2132	Crimp type	M	24-30	\$.09	\$.07	\$.05
224573	Molex	02-06-1132	Crimp type	F	24-30	.09	.07	.05
224565	Molex	02-06-2103	Crimp type	M	18-24	.09	.07	.05
224557	Molex	02-06-1103	Crimp type	F	18-24	.09	.07	.05
227379	Molex	02-06-8103	Solder tail	M	—	.15	.12	.09
227387	Molex	02-06-7103	Solder tail	F	—	.12	.09	.07

.093" (2.36mm) Bulk Contacts for Plugs & Receptacles

Part No.	Mfr.	Mfr. Part No.	Description	Gender	AWG	10	100	1000
224207	Molex	02-09-2118	Crimp type	M	18-22	\$.12	\$.09	\$.07
224215	Molex	02-09-1119	Crimp type	F	18-22	.15	.12	.09
224223	Molex	02-09-2103	Crimp type	M	14-20	.12	.09	.07
224231	Molex	02-09-1104	Crimp type	F	14-20	.12	.09	.07
224240	Molex	02-09-2133	Solder tail	M	—	.17	.15	.12
224258	Molex	02-09-1134	Solder tail	F	—	.12	.09	.07

Hand Crimp Tools

Designed to crimp terminals, strip and cut wires, and cut bolts. For Molex .062" & .093" (above) and KK® series (pg 58) crimp terminals.



Part No.	Mfr. Part No.	Description	Length	Color	1	5
308030	W-HT-1919	For 14-24 AWG wires	8.3"L	Red	\$14.95	\$13.95
227491	W-HT-1921	For 18-30 AWG wires	8.3"L	Yellow	14.95	13.95

- * Additional Power Connectors — Enter Web Code PCC
- * Additional Rectangular Connectors — Enter Web Code RCC
- * Additional Networking Connectors — Enter Web Code NCS

JAMECO ValuePro .156" (3.98mm) Pitch AT Power Connectors

- Voltage rating: 250V AC/DC
- Current rating: 7A AC/DC
- Temperature range: -25°C to 85°C
- Withstanding volt.: 1500V/min.
- Insulation resistance: 1000MΩ min.
- For use with motherboards and power supplies
- Size: 78327: 0.94"L x 0.25"W x 0.74"H
- 78319: 0.93"L x 0.37"W x 0.57"H
- Material: nylon

Part No.	Description	1	10	100
78327	6-pin female housing	\$.29	\$.25	\$.22
78300	6-pin male housing	*	.22	.19
78319	Crimp terminal brass/tin	*	.05	.04

ENCLOSED AC-TO-DC POWER SUPPLIES

Part No.	Description	Price
323300	12V @ 2.1A	\$14.95
374222	24V @ 1.0A	139.95

* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

Power Connectors & Crimp Terminals

3 LEVELS OF SAVINGS
NAME BRANDS HOUSE BRANDS FACTORY OVERRUN



.118" Pitch ATX Power Connectors

For Motherboards and Power Supplies

- Current rating: 7A AC/DC • Temperature range: -25°C to 85°C
- 147379: Material: nylon 66, UL-94VO
- Material of post: tin-plated brass • Diameter of post: 0.045"
- 147387: Material: nylon 66, UL-94VO
- 147395: Material: tin-plated brass • Use crimping tool P/N 338678, pg 58



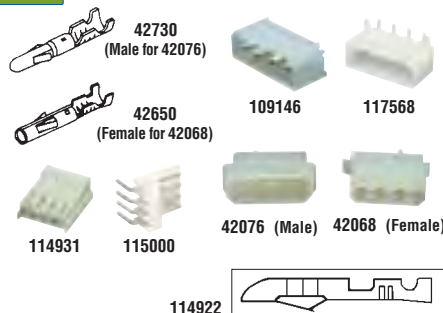
* Web Code: FEM

Part No.	Description	L	W	H	Dia	Use With	1	10	100
147379	20-pin male connector	1.7"	0.4"	0.6"	—	—	\$.45	\$.39	\$.35
147387	20-pin housing connector	1.7"	0.4"	0.8"	—	147395	.45	.39	.35
147395	Power terminal pin, F	0.59"	—	—	0.068"	147387	*	.12	.09

* Order in multiples of 10



Power Connectors & Pins



Connector & Housing Specifications:

- Voltage rating: 250VAC (Mate-N-Lock 600VAC)
- Operating temperature: -55°C to +105°C

Crimp Pin Specifications:

- Material: tin plated brass
- Current rating: 1.5A
- Wire size range: 18-24 AWG
- Use crimp tool P/N 99443, pg 132

* Web Code: KAP

.200" – For 5.25" Disk Drives & Power Supplies

42076 & 42068 Connector Housings:

- External key bar indicates pin 1
- Extraction tools, P/Ns 131887 & 131879 (see right)
- Keyed mating connectors

* Order in multiples of 10

Part No.	Description	1	10	100
109146	4-pin male vert. PCB mntg	\$.85	\$.75	\$.65
117568	4-pin male PCB mntg, horiz. edge mntg	.95	.85	.75
42076	4-pin male housing	*	.19	.15
42068	4-pin female housing	*	.19	.15
42730	Male crimp pin for 42076	*	.19	.15
42650	Female crimp pin for 42068	*	.15	.12

.100" – For 3.5" Disk Drives & Power Supplies

- Voltage rating: 250V AC, DC
- Insulation resistance: 1000MΩ min.
- Wire gauge: 22-26 AWG

* Order in multiples of 10

Part No.	Description	1	10	100
114931	4-pin female housing	\$.35	\$.29	\$.25
114922	Female crimp pin for 114931	*	.19	.15
115000	4-pin male rt. angle PCB mounting	.49	.45	.39

Milli-Grid™ Female Crimp Terminal

For 51110 Series Housings

- Lead free
- Contact material: phosphor bronze
- Plating contact: 0.38μm (15μ") gold
- Under plating: nickel

molex

Order in multiples of 10

Part No.	Mfr. Part No.	AWG	10	100	500
668465	50394-8100	24-30 ..	\$.15	\$.12	\$.09

molex® Female Crimp Terminal

For above housings

- Contact material: phosphor bronze
- Plating contact: 0.9μm (35μ") tin
- Pre-plated

Order in multiples of 10

Part No.	Mfr. Part No.	AWG	10	100	500
668457	50079-8100	26-28 ..	\$.09	\$.08	\$.07



Connector Extraction Tools



Part No.	Mfr. Part No.	AWG	Conn. Size	1	5
142156	W-HT-2285	14	.062" ...	\$14.95	\$12.95
227467	W-HT-2023	18-30	.062"	12.95	11.95
142236	W-HT-2038	14	.093"	14.95	12.95
227395	W-HT-2054	14-30	.093"	14.95	13.49
236128	W-HT-1884	22-30	.100"	10.95	9.49

* Extraction Tools — Enter Web Code BAV



Extraction Tools for Crimp Terminals

- Quickly and easily extract .093" locking pins from interlocking connectors • Length: 5"



Part No.	Description	1	5
131887	Male tool for 42730, left	\$10.95	\$9.95
131879	Male tool for 42650, left	9.95	8.95

AMP MTA-100 .100" (2.54mm) IDC Connector

Closed-End Style w/o Polarizing Tabs with Locking Ramp

- Contacts: phosphor bronze, tin-plated
- Voltage rating: 250VAC
- Current rating: 5A

* Web Code: CCV



Order in multiples of 10

Part No.	Mfr. P/N	Pos.	AWG	Color	10	100	500
524710	640440-4	4	22	Red	\$.22	\$.19	\$.17

AMP T-Handle Tool

- For .100" (2.54mm) IDC connectors
- Slotted blade



Part No.	Mfr. P/N	Description	1	5
365974	59803-1	.100" hand tool	\$32.95	\$29.95



.100" & 2mm Shorting Blocks



- Mates to .025" square posts on .100" centers
- Shorts headers/jumper blocks or color code strip line plugs
- Mate with male header (P/N 109576, pg 57)
- Pin material: phosphor bronze

* Web Code: MAC

Open: Open on top to allow for a test point

Closed: Closed top

119264: 2mm (for disk drives) Order in multiples of 10

Part No.	Description	10	100	500
22024	Top open, black (.100")	\$.12	\$.09	\$.07
119264	Top open, black (2mm)	.12	.09	.07
112425	Top open, blue (.100")	.12	.09	.07
112417	Top open, red (.100")	.12	.09	.07
19141	Top closed, black (.100")	.12	.09	.07
112442	Top closed, blue (.100")	.12	.09	.07
112432	Top closed, red (.100")	.12	.09	.07
152671	Top closed, black tab (.100")	.15	.12	.09

* IDC Connectors — Enter Web Code DCD

ADAMTECH CONNECTORS AND SOCKETS

Whether you're looking for headers, connectors, or sockets, for through-hole or surface mount applications, Adam-Tech has what you need. Adam-Tech is a trusted name for high quality products with great prices.

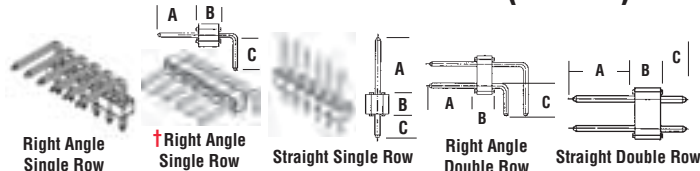
* Order in multiples of 10

Part No.	Mfr. Part No.	Description	1	10	100
2168157	MSA-G	.100" closed top mini shunt 0.256"H	*	\$.09	\$.07
2168165	MSB-G	.100" open top mini shunt 0.236"H	*	.09	.07
2168114	ADC-002A-1	2.00mm male DC power jack, PC mount	*	.19	.15
2168122	ADC-002A-2	2.50mm male DC power jack, PC mount	*	.19	.15
2168131	ASJ-1-3	3.5mm right angle flat audio stereo jack pcb mount	*	.19	.15
2168149	ASJ-5-3	3.5mm right angle verticle audio stereo jack pcb mount	*	.22	.17
2168051	DJ-005	5 pin standard female panel mount DIN socket	1.19	.99	.89
2167939	BHR-10-HUA	10-position .100" right angle shrouded box header	.29	.25	.19
2167971	BHR-40-HUA	40-position .100" right angle shrouded box header	.49	.45	.39
2168077	BHR-16-VUA	16-position .100" straight low profile box header 2 x 8	*	.19	.15
2168106	BHR-40-VUA	40-position .100" straight low profile box header 2 x 20	*	.22	.17
2168000	FCS-40-SG	40-pin IDC non polarized socket 2 x 20	.29	.25	.19
2167808	PLCC-28-AT-SMT	28-pin PLCC SMT socket w/o pegs	.59	.55	.49
2167824	PLCC-44-AT-SMT	44-pin PLCC SMT socket w/o pegs	.75	.69	.65
2167859	PLCC-28-AT	28-pin PLCC soldertail through hole socket	.65	.59	.55
2167875	PLCC-44-AT	44-pin PLCC soldertail through hole socket	.85	.75	.69
2168173	RS1-40-T	40-pin .100" receptacle strip 1 x 40	.99	.89	.75

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



.100" (2.54mm) Straight and Right Angle Male Headers



.100" (2.54mm) Right Angle Single Row Male Headers

*** Web Code: DAH**

*** Order in multiples of 10**

Part No.	Mfr.	Product No.	Pins	Size (A"xB"xC")	Plating	1	10	100
2120305	OST	PN3-230/120-021W	2	.21 x .10 x .10	Gold	.....	.....	.....
2076842	ValuePro	RMH5	5	.27 x .10 x .12	Gold	.....	.....	.....
2076851	ValuePro	RMH6	6	.27 x .10 x .12	Gold	.....	.....	.....
153728	ValuePro	RMH8	8	.27 x .10 x .12	Gold	.....	.....	.....
2076869	ValuePro	RMH26	26	.27 x .10 x .12	Gold	.....	.....	.....
103271	ValuePro	RMH36 (LP)	36	.23 x .10 x .12	Gold	.....	.....	.....
1946041	ValuePro	RMH36AR (type A)	36	.27 x .10 x .22	Gold	.....	.....	.....

† Low profile

.100" (2.54mm) Straight Single Row Male Headers

*** Web Code: TAM**

*** Order in multiples of 10**

Part No.	Mfr.	Product No.	Pins	Size (A"xB"xC")	Plating	1	10	100
2076797	ValuePro	SMH01	1	.23 x .10 x .12	Gold	.....	.....	.....
2144884	ValuePro	SMH02	2	.23 x .10 x .12	Tin	.....	.....	.....
108338	ValuePro	SMH02	2	.23 x .10 x .12	Gold	.....	.....	.....
421489	AMP	103185-3	3	.23 x .09 x .12	Gold/Tin	.....	.....	.....
109576	ValuePro	SMH03	3	.23 x .10 x .12	Gold	.....	.....	.....
117560	ValuePro	SMH04	4	.23 x .10 x .12	Gold	.....	.....	.....
2120276	OST	PHI-787/120-041	4	.78 x .10 x .12	Gold	.....	.....	.....
2076789	ValuePro	SMH05	5	.23 x .10 x .12	Gold	.....	.....	.....
153700	ValuePro	SMH06	6	.23 x .10 x .12	Gold	.....	.....	.....
153702	ValuePro	SMH08	8	.23 x .10 x .12	Gold	.....	.....	.....
2076818	ValuePro	SMH09	9	.23 x .10 x .12	Gold	.....	.....	.....
103393	ValuePro	SMH10	10	.23 x .10 x .12	Gold	.....	.....	.....
103377	ValuePro	SMH17	17	.23 x .10 x .12	Gold	.....	.....	.....
103369	ValuePro	SMH20	20	.23 x .10 x .12	Gold	.....	.....	.....
202825	ValuePro	SMH22	22	.23 x .10 x .12	Gold	.....	.....	.....
103351	ValuePro	SMH25	25	.23 x .10 x .12	Gold	.....	.....	.....
103342	ValuePro	SMH30	30	.23 x .10 x .12	Gold	.....	.....	.....
222991	AMP	SMH32GT	32	.23 x .10 x .12	Gold/Tin	.....	.....	.....
2076826	ValuePro	SMH34	34	.23 x .10 x .12	Gold	.....	.....	.....
68339	ValuePro	SMH36	36	.23 x .10 x .12	Gold	.....	.....	.....
160882	ValuePro	SMH40	40	.23 x .10 x .12	Gold	.....	.....	.....
527654	AMP	4-102976-0	40	.32 x .09 x .12	Gold/Tin	.....	.....	.....

* Dimension "A" has gold plating; dimension "C" has tin plating

.079" (2mm)/.100" (2.54mm) Male Headers Grab Bag

*** Web Code: GBS**

Part No.	Cross Ref.	Description	Wt. (lbs.)	1	10
2095138	GB204	100 assorted .100" male headers (breakway) Straight, right angle, single and double row	0.3	.....	.....



molex® KK® Series .100" (2.54mm) Female Housings with Locking Ramp

- Contact resistance: 20mΩ max.
- Dielectric withstanding voltage: 1500VAC
- Insulation resistance: 50kMΩ
- Voltage: 250V

Housing Material:

- Contact retention to housing: 8 lbs. min.
- Contact insertion force: 1.5 lbs. max.
- Housing: nylon, UL94V-0
- Operating temperature: 0 to 75°C



Housing with Locking Ramp

*** Order in multiples of 10**

Part No.	Mfr.	Part No.	Pos.	1	10	100
234704	22-01-2027	2	.....	.....	.....	.....
234712	22-01-2037	3	.....	.....	.....	.....
234721	22-01-2047	4	.....	.....	.....	.....
234739	22-01-2057	5	.....	.....	.....	.....
234747	22-01-2067	6	.....	.....	.....	.....
234771	22-01-2107	10	.....	.....	.....	.....

Housing w/ Locking Ramp & Polarizing Ribs

*** Order in multiples of 10**

Part No.	Mfr.	Part No.	Pos.	1	10	100
234798	22-01-3027	2	.....	.....	.....	.....
234801	22-01-3037	3	.....	.....	.....	.....
234819	22-01-3047	4	.....	.....	.....	.....
234827	22-01-3057	5	.....	.....	.....	.....
234835	22-01-3067	6	.....	.....	.....	.....
234851	22-01-3087	8	.....	.....	.....	.....
234878	22-01-3107	10	.....	.....	.....	.....

* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

Headers, Housings & Crimp Terminals

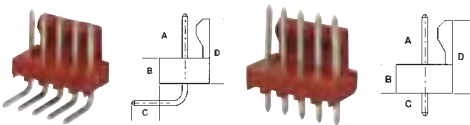
3 LEVELS OF SAVINGS
NAME BRANDS HOUSE BRANDS FACTORY OVERRUN

molex

AMP

JAMECO ValuePro

.100" (2.54mm) Straight and Right Angle Friction Lock Headers



Right Angle Friction Lock

Straight Friction Lock

879588

*Web Code: GBN

.100" (2.54mm) Right Angle Friction Lock Headers

* Order in multiples of 10

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC"xD")	Plating	1	10	100
233437	Molex	22-05-3021	2	.26 x .13 x .14 x .32	Tin	.....	.....	.....
233445	Molex	22-05-3031	3	.26 x .13 x .14 x .32	Tin	.....	.....	.....
233453	Molex	22-05-3041	4	.26 x .13 x .14 x .32	Tin	.....	.....	.....
1965795	Molex	22-05-1042	4	.30 x .11 x .12 x .44	Tin	.....	.....	.....
233461	Molex	22-05-3051	5	.26 x .13 x .14 x .32	Tin	.....	.....	.....
233470	Molex	22-05-3061	6	.26 x .13 x .14 x .32	Tin	.....	.....	.....

.100" (2.54mm) Straight Friction Lock Headers

* Order in multiples of 10

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC"xD")	Plating	1	10	100
232266	Molex	22-23-2021	2	.30 x .13 x .14 x .32	Tin	.....	.....	.....
613931	AMP	640456-2	2	.30 x .10 x .14 x .31	Tin	.....	.....	.....
233584	Molex	22-11-2022	2	.30 x .13 x .14 x .32	Gold	.....	.....	.....
879588	Molex	22-29-2021	2	.30 x .13 x .14 x .46	Gold	.....	.....	.....
232274	Molex	22-23-2031	3	.30 x .13 x .14 x .32	Tin	.....	.....	.....
879271	Molex	22-27-2031	3	.30 x .13 x .14 x .46	Tin	.....	.....	.....
233592	Molex	22-11-2032	3	.30 x .13 x .14 x .32	Gold	.....	.....	.....
232282	Molex	22-23-2041	4	.30 x .13 x .14 x .32	Tin	.....	.....	.....
348074	ValuePro	641215-4	4	.30 x .10 x .14 x .31	Gold	.....	.....	.....
232291	Molex	22-23-2051	5	.30 x .13 x .14 x .32	Tin	.....	.....	.....
348082	ValuePro	641215-5	5	.30 x .10 x .14 x .31	Gold	.....	.....	.....
232303	Molex	22-23-2061	6	.30 x .13 x .14 x .32	Tin	.....	.....	.....
232320	Molex	22-23-2081	8	.30 x .13 x .14 x .32	Tin	.....	.....	.....
232346	Molex	22-23-2101	10	.30 x .13 x .14 x .32	Tin	.....	.....	.....

molex KK® Series .100" (2.54mm) Crimp Terminals

*Web Code: JCT

- Current: phosphor bronze – 4.0A max.; brass – 2.5A max.
- Insulation range: 0.062" (1.58mm) diameter max.
- Accommodates 22 to 30 AWG
- Material: 736501/234923/234931: brass; 736595/462969/2120495/463005: phosphor bronze



Bulk Packaged

Order in multiples of 10

Part No.	Mfr.	Part No.	Plating	10	100	1000
736501	08-50-0113	Tin	.....	.....	.....	.....
234923	08-50-0114	Tin	.....	.....	.....	.....
234931	08-55-0102	15µ" gold	.....	.....	.....	.....
736595	08-52-0123	Tin	.....	.....	.....	.....
462969	08-65-0805	Tin (cat ear)	.....	.....	.....	.....
2120495	2513T	Tin (cat ear)	.....	.....	.....	.....
463005	08-65-0816	15µ" gold	.....	.....	.....	.....

*Cut tape packaging †Manufacturer: Jameco ValuePro

molex .100" (2.54mm) Pitch SL™ Wire-to-Board Crimp Housings

Single Row

- Housing: black glass filled polyester, UL94V-0



Version A, Non-polarized

*Web Code: VDD

Part No.	Mfr.	Part No.	Pos.	1	10	100
884301	50-57-9002	2	.....	.....	.....	.....

Version G, Positive Latch

Order in multiples of 10

Part No.	Mfr.	Part No.	Pos.	10	100
884328	50-57-9402	2	.....	.....	.....

Female Crimp Terminals



Order in multiples of 10

Part No.	Mfr.	Part No.	AWG	Plating	10	100
741685	16-02-0103	22-24	15µ" gold	.....	.....	.....
741677	16-02-0086	22-24	Tin	.....	.....	.....

JAMECO ValuePro .118" (3.00mm) Micro-Fit Crimp Terminals



- A: phosphor bronze, tin
- B: phosphor bronze, 15µ" gold
- C: phosphor bronze, 30µ" gold

*Web Code: UBW

Order in multiples of 10

Part No.	Mfr.	Product No.	Type	AWG	10	100
337720	ValuePro	43030-0007	1A	20-24	.....	.....
883093	Molex	43030-0007	1A	20-24	.....	.....
337746	ValuePro	43030-0010	1A	20-24	.....	.....
337738	ValuePro	43030-0009	1B	26-30	.....	.....
337762	ValuePro	43031-0007	2A	20-24	.....	.....
337789	ValuePro	43031-0010	2A	26-30	.....	.....
883253	Molex	43031-0009	2C	20-30	.....	.....

Hand Tools for Mini-Fit Jr.™



*Web Code: GBU

- 304928: Crimp tool wire range from 14-24 AWG, 8.5"L
- 304936: Extraction tool, 3.5"L
- 308030: Cuts & strips 14-24 AWG, 8.3"L
- 227491: Cuts & strips 18-30 AWG, 8.3"L

Part No.	Mfr.	Mfr. Part No.	1	5
304928	Molex	63811-1000	.....	.....
304936	Molex	11-03-0044	.....	.....
308030	GC/Waldom	W-HT-1919	.....	.....
227491	GC/Waldom	W-HT-1921	.....	.....

Tools for Micro-Fit Connectors



*Web Code: GBU

Part No.	Cross Ref. No.	Description	Length	1	5
338678	HT-225D	Crimp	8.25"	.....	.....
338669	11-03-0043	Extraction	3.0"	.....	.....

*.156" Housings — Enter Web Code CRH

JAMECO ValuePro .156" (3.96mm) JST Type Crimp Terminal and Tool



Crimp Terminal

*Web Code: CRH

- 18-22 AWG • Female
- Tin-plated brass

Order in multiples of 10

Part No.	Mfr.	Cross Ref. No.	10	100
2124630	ValuePro	96T	.....	.....

JST Crimp Tool

Part No.	Mfr.	Mfr. Part No.	1	5
227491	GC/Waldom	W-HT-1921	.....	.....

.165" (4.19mm) Mini-Fit Jr.™ Type Terminals

- A: Tin over nickel over brass
- B: 15µ" gold over nickel over brass

*Web Code: CBX

Part No.	*Mfr.	Product No.	Type	AWG	10	100	1000
401824	JVP	4257T2-LP	1A	18-24	.....	.....	.....
401701	JVP	4256T2-LP	2A	18-24	.....	.....	.....
365835	JVP	4256T3-G3	2B	16	.....	.....	.....
401859	JVP	4257T2-G15-LP	1B	18-24	.....	.....	.....
401736	JVP	4256T2-15GC	2B	18-24	.....	.....	.....
304725	MOL	39-00-0041	1A	18-24	.....	.....	.....
304733	MOL	39-00-0039	2A	18-24	.....	.....	.....
304872	MOL	39-00-0047	2A	22-28	.....	.....	.....

4000-Piece Reels

Part No.	*Mfr.	Product No.	Type	AWG	Price/each
307985	MOL	39-00-0040	1A	18-24	.....
307993	MOL	39-00-0038	2A	18-24	.....

*JVP = Jameco ValuePro; MOL = Molex

*.165" Mini-Fit Jr. Connectors — Web Code MTC

BEST SELLING HAND TOOLS

Part No.	Description	Price
35482	4.3" diagonal wire cutters	.....
215889	5" wire cutter/strippers, 10-24 AWG	.....
159291	6.6" wire cutter/strippers, 20-30 AWG	.....
127862	7-in-1 wire handling tool, 16-26 AWG	.....
159266	D-Sub crimper, 20-28 AWG	.....
114535	Ratcheted BNC crimper	.....

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

.156" (3.96mm) Headers, Housings and Crimp Terminals



Fig. 1



Fig. 2

- Wire-to-board applications
- End-to-end stackable styles
- Insulator: polyester, UL 94V-0
- Housing: nylon, UL 94V-0

*Web Code: HHT

Headers

* Order in multiples of 10

Straight Friction Lock – Brass/Tin (Fig. 1)

Part No.	Mfr.	Product No.	Pos.	1	10	100
879861	Molex	26-60-4020	2	...	...	...
231546	AMP	640445-2	2	...	...	...
879887	Molex	26-60-4030	3	...	...	...
104792	ValuePro	LMH4	4	...	...	...
879941	Molex	26-60-4060	6	...	...	...

Housings

With Locking Ramp (Fig. 2)

* Order in multiples of 10

Part No.	Mfr.	Product No.	Pos.	1	10	100
463435	Molex	09-50-3031	3	...	...	...
104433	ValuePro	7900F-3	3	...	...	...
463443	Molex	09-50-3041	4	...	...	...
236161	AMP	640250-4	4	...	...	...
104716	ValuePro	7900F-4	4	...	...	...
104732	ValuePro	7900F-6	6	...	...	...
104766	ValuePro	7900F-10	10	...	...	...

Use with crimp pin 78319, below

Crimp Terminals

- Plating: A: brass/tin; B: phosphor bronze/tin

Order in multiples of 10

Part No.	Mfr.	Product No.	Plating	AWG	10	100
736544	Molex	08-50-0189	A	18-20	...	...
736561	Molex	08-52-0072	B	18-20	...	...
736587	Molex	08-52-0113	A	18-20	...	...
736481	Molex	08-50-0106	A	18-24	...	...
1960687	Molex	08-70-1031	A	18-24	...	...
248866	AMP	640706-1	A	18-24	...	...
248874	AMP	640706-2	A	18-24	...	...
248903	AMP	770522-1	B	18-24	...	...
78319	ValuePro	JS-5001-T	A	18-24	...	...

† Trifurcon * Cat ear \$ Cut tape

.100" (2.54mm) Straight Male Headers

*Web Code: VAQ

Double Row w/ Standard Latch

- 0.1" contact center
- Mount vertical
- Keying slot
- Use w/ IDC socket connectors, above right



71830

Part No.	Description	1	10	100
117664	10-pin male header	...	...	...
71830	20-pin male header	...	...	...
71933	26-pin male header	...	...	...
72216	50-pin male header	...	...	...

.100" (2.54mm) Keyed Shrouded Headers & Connectors

CD-ROM 4-Pin

*Web Code: XAW

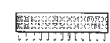
- Low profile
- Voltage rating: 250VAC/DC
- Current rating: 3A AC/DC
- Insulation res.: 1000MΩ min.
- Pin material: tin-plated brass
- Connector material: PBT, 30% glass
- Header material: PBT + 30% glass
- Withstanding volt.: 1000VAC/1 min.
- Recommend crimp tool P/N 99443, pg 132



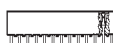
Part No.	Description	1	10	100
152741	Straight header	...	...	...
152726	Rt. angle header	...	...	...
152734	Single w/ latch	...	...	...
181673	Female pins	...	...	...

† P/N 152734 requires 4 pins (P/N 181673)

.100" (2.54mm) Female Header Receptacles



Right Angle



Straight



- Gold-plated contacts

*Web Code: RAH

Single Row Right Angle (Side Entry)

Part No.	Mfr.	Contacts	1	10	100
2100321	ValuePro	8	...	...	...

Double Row Right Angle (Side Entry)

Part No.	Mfr.	Contacts	1	10	100
71159	ValuePro	20	...	...	...

Single Row Straight (Top Entry)

Part No.	Mfr.	Contacts	1	10	100
2144614	Adam Tech	6	...	...	...
70755	ValuePro	8	...	...	...
2144631	Adam Tech	8	...	...	...
2172560	ValuePro	10	...	...	...
2177627	Adam Tech	10	...	...	...
200783	ValuePro	12	...	...	...
308592	ValuePro	16	...	...	...
308567	ValuePro	20	...	...	...

* 15mm long square leads

Double Row Straight (Top Entry)

Part No.	Mfr.	Contacts	1	10	100
70721	ValuePro	16	...	...	...
70827	ValuePro	20	...	...	...
105057	ValuePro	30	...	...	...
163862	ValuePro	34	...	...	...
111705	ValuePro	40	...	...	...
2134395	ValuePro	40	...	...	...

† Tin-plated # Wire wrap leads (.475" long)

FORCE SENSING RESISTOR

This force sensing resistor (FSR) is a passive component that exhibits a decrease in resistance. These devices are optimized for use in human touch control electronic devices.

Pololu

Part No.	Size	1	10
2128260	.72"Dia. / .5"Dia.	...	...
2136471	1.7"L x 1.5"W	...	...

Complete details on page 77

.100" (2.54mm) Low Profile Male Shrouded Headers

Straight & Rt. Angle Double Row

- Rating: 1A (max.) @ 250VDC
- Contact resistance: 15mΩ max.
- Contact: phosphor bronze, gold plated
- Features: UL recognized CSA certified; 0.025" square post mates with sockets on 0.100" x 0.100" grid
- Use with IDC socket connectors, below



68180

*Web Code: JAH

Part No.	Cross Ref. No.	Pos.	1	10	100
67812	7110-10SG	10	...	...	...
2100304	7110-14SG	14	...	...	...
68180	7110-16SG	16	...	...	...
68292	7110-20SG	20	...	...	...
68372	7110-26SG	26	...	...	...
68583	7110-34SG	34	...	...	...
181105	7110-40SG	40	...	...	...
737782	103310-8 (R/A)	40	...	...	...
2100312	7110-50SG	50	...	...	...

.100" (2.54mm) IDC Socket Connectors

Double Row

- Current rating: 1A
- Mates with 2 rows of .025" sq. or dia. posts on patterns of .100" centers (male headers, pg 57)
- Contact material: phosphor bronze w/ 1μ" gold flash on mating area, tin plated on termination area
- Industry standard IDC socket (plastic)
- Temp. rating: -55°C to +105°C
- Use crimper P/N 73252, below
- Include strain relief



32564

*Web Code: QAE

Polarized

Part No.	Cross Ref. No.	Contacts	1	10	100
32492	8000-10	10	...	...	...
153948	8000-14	14	...	...	...
119467	8000-16	16	...	...	...
32522	8000-20	20	...	...	...
32564	8000-26	26	...	...	...
32644	8000-34	34	...	...	...
32679	8000-40	40	...	...	...
32708	8000-50	50	...	...	...

Non-Polarized

Part No.	Cross Ref. No.	Contacts	1	10	100
138376	8000-10NE	10	...	...	...
138325	8000-20NE	20	...	...	...
138333	8000-26NE	26	...	...	...
138341	8000-34NE	34	...	...	...
138350	8000-40NE	40	...	...	...

IDC Connector Crimping Tools

- Use for IDC socket connectors
- Crimping distance: 27.5mm to 6mm (with attachment)
- Size: 9.2"L x 3.0"W
- Weight: 1.1 lbs.

2156033: Dual slot attachment included



Part No.	Mfr.	Part No.	1	10	25
73252	HT-214	...	...	...	...
2156033	HT-214D	...	...	...	...

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

AMP .100" (2.54mm) IDC Ribbon Connectors 3M

Center and Military Polarized Receptacles

- Accepts 28-26AWG solid or stranded cables
- Contact current rating: 1A continuous
- Housing, cover: 94V-0 rated thermoplastic, black
- Contacts: phosphor bronze, duplex plating

Contact Plating:

A: 30µ" gold, 50µ" min. tin

B: 15µ" gold, 100µ"-200µ" tin

C: 15µ" gold, 100-200µ" tin lead, all over 50µ" min. nickel

D: 30µ" gold, 100-200µ" bright tin lead, all over 50µ" nickel



*Web Code: RDM

Part No.	Mfr.	Mfr. Part No.	Pos.	Plating	1	10	100
901642	AMP	1658622-1	10	A	\$1.49	\$1.35	\$1.19
525309	AMP	746285-1	10	C	1.25	1.09	.99
742215	AMP	1658621-1	10	B	1.09	.95	.85
1578082	3M	89110-0101	10	A	.99	.89	.79
525317	AMP	746285-2	14	C	1.49	1.25	.95
525325	AMP	746285-3	16	C	1.59	1.39	1.15
1578111	3M	89116-0101	16	A	.95	.85	.75
525333	AMP	746285-4	20	C	1.65	1.55	1.39
525413	AMP	746288-6	26	D	1.75	1.49	1.25
525350	AMP	746285-8	34	C	1.95	1.75	1.49
525368	AMP	746285-9	40	C	1.95	1.75	1.55
525376	AMP	1-746288-0	50	D	2.95	2.59	2.39

Strain Relief for NOVO Receptacles

Order in multiples of 10

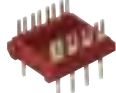
Part No.	Mfr.	Mfr. Part No.	Pos.	10	100
526045	AMP	499252-5	10	.....	\$ .25 \$.22

AMP .100" (2.54mm) DIP Headers 3M

*Web Code: XBS

Series 600 Headers w/ Coined Contacts

- Standard cover/body material is red UL 94-HB glass filled nylon
- High temperature cover/body material is black UL 94V-0 4/6 nylon
- Contact plating: 100µ" min., tin
- Contact rating: 2A
- Operating temperature: 221°F (105°C) max.
- Fork contacts: accept up to .025" (.64mm) dia. leads



291120

Part No.	Mfr. Part No.	Pos.	Width*	1	10	100
291120	08-600-10	8	0.3" ...	\$1.29	\$1.15	\$.99
291312	14-600-10	14	0.3"	1.49	1.39	1.29
291574	16-600-10	16	0.3"	1.79	1.65	1.45
291996	24-600-10	24	0.6"	2.09	1.95	1.75

*Center to center pin width

CA .100" DIP Header Plugs

- Gold-plated leads
- Header plugs: keyed corner to indicate pin 1
- U-shaped pin termination for easy component attachment
- Lead length: 0.188" • 0.1" spacing between leads

*Web Code: XBS



37331

Part No.	Mfr. Part No.	Pins	Width	1	10	100
104337	08P-2	8	0.3" ...	\$1.09	\$.99	\$.89
37130	14P-2	14	0.3"	1.09	.99	.89
37331	16P-2	16	0.3"	2.75	2.49	2.25

JAMECO ValuePro .100" (2.54mm) IDC DIP Flat Cable Plugs

- Mates with standard 14, 16, 20, 24, 26, 28 & 40-pin DIP sockets with 0.1" spacing
- Uses 28 AWG flat ribbon cable, pg 47
- Plastic with gold-plated contacts
- Current rating: 1A



42674

*Web Code: KEF

Part No.	Cross Ref.	Width	Contacts	1	10	100
42658	8200-14	0.3"	14 ...	\$.49	\$.45	\$.39
42674	8200-16	0.3"	16 .....	.59	.55	.49
104097	8200-20	0.3"	20 .....	.69	.59	.55
42691	8200-24	0.6"	24 .....	.79	.69	.55
99670	8200-28	0.6"	28 .....	.89	.79	.69
42712	8200-40	0.6"	40 .....	.99	.89	.79

*PCB Connectors — Enter Web Code EEN

PC Card Edge Connectors

- Fits all PC boards 0.054" to 0.070" thick

Solder Tail 0.100" Spacing Between Rows

- Contact centers: 0.100" (2.54mm)
- Without mounting ears
- Gold flash contact area, tin/lead on solder posts



*Web Code: XEE

Part No.	Mfr.	Positions	1	10	100
2133536	AMP/Tyco	30/60	\$1.95	\$1.75	\$1.49

Solder Tail 0.200" Spacing Between Rows

- Contact centers: 0.200"
- No mounting ears
- Tin



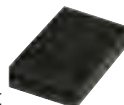
Part No.	Mfr.	Positions	1	10	100
1945049	ValuePro	50/100	\$.39	\$.29	\$.25

AMP AMPMODU™ .100" (2.54mm) Receptacle Housing & Contacts

Single Row, Non-Polarized, Crimp Snap-In (MOD IV)

- No PC with UMN
- Black thermoplastic, flame retardant

526871



Part No.	Mfr. Part No.	Pos.	Width	1	10	100
526871	87499-3 <i>R</i>	2	0.205" ..	\$.99	\$.89	\$.75
526889	87499-5 <i>R</i>	3	0.305" ...	.95	.85	.75

Standard Pressure Receptacle Contacts (MOD IV)

- Material: phosphor bronze
- No PC with UMN
- Plating:
- 527419: 50µ" gold flash over nickel, 30µ" gold in contact area
- 527486: 15µ" gold in contact area, 100µ" - 200µ" bright tin lead, all over 50µ" nickel



527419



527486

895844: Short point; 22-26 AWG; 50µ" nickel entire area; 15µ" gold in contact area

Part No.	Mfr. Part No.	1	10	100
527419	1-87523-6	\$.39	\$.35	\$.29
527486	87523-6 <i>A</i>	*	* .19	* .15
895844	104480-3	*	* .15	* .12

*Gray Ribbon Cables — Enter Web Code WBX

*Multicolor Ribbon Cables — Enter Web Code WCF

.100" (2.54mm) Non-Polarized Connector Housings & Crimp Pins



- Mates with 0.025" square post on pattern of 0.100" centers (male headers, pg 57)
- Current rating: 1A • Housing material: plastic
- Pin material: brass/tin plated • 26-22 AWG
- Temp. rating: -55°C to +105°C
- Use crimpers P/N 159266, pg 132

*Web Code: YAL

Single Row

* Order in multiples of 10

Part No.	Cross Ref. No.	Contacts	1	10	100
100812	SCH2 <i>R</i>	2	* \$.19	\$.15	
157383	SCH3 <i>R</i>	3 .....	.35	.29	.25
100803	SCH4 <i>R</i>	4 .....	.35	.29	.25
163686	SCH5	5 .....	.39	.35	.29
103212	SCH6 <i>R</i>	6 .....	.45	.39	.35
103203	SCH8 <i>R</i>	8 .....	.49	.45	.39
103191	SCH10 <i>R</i>	10 .....	.55	.49	.45
103182	SCH20 <i>R</i>	20 .....	.59	.55	.49
103158	SCH36 <i>R</i>	36 .....	.65	.59	.55

Double Row


*Web Code: ZBQ

Part No.	Cross Ref. No.	Contacts	1	10	100
103254	DCH8	8	..... \$ .49	\$.45	\$.39
157421	DCH10	10	..... .55	.49	.45
157438	DCH14	14	..... .55	.49	.45
103238	DCH16	16	..... .55	.49	.45
103230	DCH20	20	..... .59	.55	.49

Crimp Pins for Single/Double Row Housings

- Order in multiples of 10

*Web Code: XAL

Part No.	Cross Ref. No.	Description	10	100	500
100766	FCH1	Female pin	\$.19	\$.15	\$.12
145358	MCH1 	Male pin .....	.19	.15	.12

CINCH Jones Plugs and Sockets

Series 300 Multiple-Density Solder-Eyelet Connectors

- Insulation material: molded monoblock, black phenolic
- Contact material: plug — brass; socket — phosphor bronze
- Contact plating: cadmium
- Current rating: 10 amps
- Operating voltage: 250VAC max.
- Contact resistance: 16mΩ max.
- Hood material: UL 94V-0 rated thermoplastic
- 2 position is round

248823

248786



Sockets with Hood and 180° Clamp

*Web Code: WBP

Part No.	Mfr. Part No.	Contacts	1	10
248807	S-302H-CCT	2	.....	\$3.49 \$3.09
248823	S-304H-CCT	4	.....	3.95 3.65
248831	S-306H-CCT	6	.....	4.95 4.75

Plugs with Hood and 180° Clamp

Part No.	Mfr. Part No.	Contacts	1	10
248760	P-302H-CCT	2	.....	\$3.35 \$2.95
248786	P-304H-CCT	4	.....	4.25 3.95
248794	P-306H-CCT	6	.....	4.49 4.25

BEST SELLING MULTI-CONDUCTOR WIRE

Part No.	Feet	Price
644383	25.....	\$7.95
644391	100	29.95

***Web Code: MCC**

*Web Code: MCC



Mini DIN & DIN Panel Mount Female Sockets

- With solder lugs
- Metal body

* Web Code: FAB

Part No.	Cross Ref.	Description	1	10	100
2076762		5-pin mini DIN	\$.35	\$.29	\$.25
2076754	MDPM5	5-pin mini DIN	1.39	1.25	.99
2076762	MDPM6	6-pin mini DIN	.49	.45	.39
2076771	MDPM8	8-pin mini DIN	.99	.79	.69
15844	DINJ5	5-pin DIN	1.15	.95	.85
15852	DINJ6	6-pin DIN	1.29	.99	.89
15861	DINJ8	8-pin DIN			

Mini-DIN & DIN PC Mount Female Sockets



- Set back: 0.5"
- 29399: Plastic body
- 119475: Plastic/metal body

* Web Code: DMS

Unshielded (DIN) – Right Angle

Part No.	Product No.	Description	1	10	100
29399	RD5	5-pin DIN	\$.75	\$.65	\$.49

Shielded (Mini DIN & DIN) – Right Angle

Part No.	Product No.	Description	1	10	100
140791	MDR4S	4-pin mini DIN	\$.07	\$.06	
2125819	MXS4 (SMT)	4-pin mini DIN	.07	.06	
2076720	MDR5S	5-pin mini DIN	.09	.08	
119475	MDR6S	6-pin mini DIN	.89	.79	.69
2144796	84376-1	6-pin mini DIN	.89	.79	.69
207722	MDR8S	8-pin mini DIN	.35	.25	.15
2076746	MDR9S	9-pin mini DIN	.35	.29	.25

* Dual stacked 6-pin mini DIN; Manufacturer: AMP



DIN Connector Cables

The sockets need to fit with the right cables. Check out all the available DIN cables on page 152.

* Web Code: HAE

Part No.	Description	1	10	100
174772	6', 6-pin mini DIN male to male	\$2.95	\$2.49	\$1.95
111053	10', 6-pin mini DIN male to female	4.95	4.49	3.95

For complete selection of Computer Cables, see page 152



Displayport Receptacles

Displayport receptacles are royalty free products that can be used in any application where an HDMI connection was previously required.

- 15µ gold plating

* Web Code: DPP

Part No.	Mfr. Part No.	Description	Type	Mounting Style	1	10	100
2114212	DPC-F-S-RA-SMT-P-15	Displayport, receptacle, right angle	SMT	Surface mount	\$1.75	\$1.65	\$1.55
2114247	MDPC-S-RA	Mini displayport, receptacle, right angle	DIP	Through hole	2.25	1.95	1.75



USB-A & B 1.0 & 2.0 Female Connectors

* Web Code: DAZ

Part No.	Mfr.	Product No.	Description	1	10	100
2096181	Adamtech	USB-A-S-RA	USB-A, right angle	\$.49	\$.45	\$.39
2097011	Adamtech	USB-A-S-VT	USB-A, vertical	.49	.45	.39
161024	ValuePro	1040	USB-A 1.0	.99	.89	.79
2076551	KobiConn	UAR64-8W2100	USB-A 2.0, dual port	.75	.69	.39
2096261	Adamtech	MUSB-B5-S-RA-SMT	Mini USB-B, right angle, surface mount	.99	.89	.79
2096245	Adamtech	USB-B-S-RA	USB-B, right angle	.39	.35	.29
230958	ValuePro	USB-B-S-RA-WT	USB-A 2.0, right angle, white insulator	1.09	.99	.89



Mini-DIN & DIN Plugs and Receptacles



- Solder barrels w/ strain relief
- See pg 46 for cable

* Web Code: DAV

Part No.	Pins	Type	1	10	100
142280	4	Mini DIN plug	\$.89	\$.79	\$.69
142262	6	Mini DIN plug	.95	.85	.75
111878	8	Mini DIN plug	.99	.89	.75
177236	8	Mini DIN receptacle	.99	.89	.75
15879	5	DIN plug	.59	.49	.39
180873	5	DIN receptacle	.79	.65	.59
15887	6	DIN plug	.79	.65	.59
15895	8	DIN plug	.75	.59	.55

AMP Circular Cable Clamps

Provides strain relief and can be used in all series receptacles and plugs.

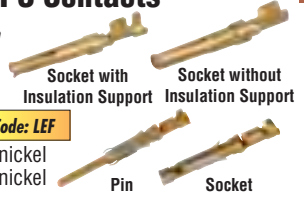
- Material: thermoplastic black, UL94V-0 rated (plastic); zinc alloy (metal)

* Web Code: OLI

Part No.	Mfr. P/N	Material	Shell Size	Cable O.D.(max.)	1	10
494039	206062-1	Plastic	11	.329"	\$3.95	\$3.49
494055	206966-1	Plastic	13	.453"	3.95	3.49
494063	206070-1	Plastic	17	.453"	3.95	3.49

AMP CPC Contacts

Type III+ Snap-In Crimp Pins with Retention Spring



- Finish:

* Web Code: LEF

- A: 30µ" gold over nickel
- B: 15µ" gold over nickel
- C: Tin-lead
- Crimp type except *P/N 526424 (solder type)
- Contact body – brass or phosphor bronze

Part No.	Mfr. P/N	AWG	Finish	Type	1	10
526441	1-66361-1	18-14	A	Pin	\$.85	\$.75
526424	66180-1	18-16	A	Pin	.99	.89
526432	66181-1	18-16	A	Socket	1.25	1.09
526459	66103-3	24-20	B	Pin	.59	.49
526563	1-66103-5	24-20	C	Pin	.39	.35
526361	1-66103-7	24-20	A	Pin	.69	.59
526379	66105-3	24-20	B	Socket	.59	.55
526504	1-66105-6	24-20	C	Socket	.55	.49

Size 20DF Contacts

A: 30µ" gold over nickel; B: gold flash over nickel

- Contact body: brass

Part No.	Mfr. P/N	AWG	Finish	Type	1	10	100
223221	1-66505-0	28-24	B	Socket	\$1.19	\$1.15	
223247	745253-6	26-22	A	Socket	.15	.12	
223298	66504-9	24-20	A	Socket	.19	.15	
223255	1-66504-0	24-20	B	Socket	.19	.15	

† With insulation support

AMP CPC Circular Plastic Connectors

Series 1 — Standard density, signal and low-current applications

- Accepts type III+, high-current type II, and subminiature coax contacts

Receptacles – Panel Mount

Part No.	Mfr. P/N	Size/Pos.	Gender	Mating Connector	1	10
495218	206430-1	11-4	Reverse	495091	\$2.49	\$2.35
495162	206061-1	11-4	Standard	495082	2.49	2.35
495293	211401-1	13-7	Standard	421374	4.95	4.59
495234	206705-1	13-9	Standard	495103	2.95	2.75
495146	206043-1	17-14	Reverse	495031	2.95	2.75
421382	206036-1	17-16	Standard	495322	2.95	2.75
495251	206838-1	23-24	Standard	495058	3.95	3.75
495171	206151-1	23-37	Standard	495066	3.75	3.49



* Web Code: WBK

- Voltage rating: 600V (UL)

Plugs – Free Hanging

Part No.	Mfr. P/N	Size/Pos.	Gender	Mating Connector	1	10
495091	206429-1	11-4	Reverse	495218, 839501, 495226	\$3.25	\$3.09
495082	206060-1	11-4	Standard	495162, 839324, 495197	3.25	3.09
421374	211399-1	13-7	Standard	495293	3.95	3.75
495103	206708-1	13-9	Standard	919447, 495234, 495242	3.95	3.75
495031	206044-1	17-14	Reverse	750311, 495146, 495154	3.75	3.49
495322	206037-1	17-16	Standard	421382, 495314	3.75	3.49
495058	206837-1	23-24	Standard	495251	4.95	4.59
495066	206150-1	23-37	Standard	495189, 495171	4.49	4.25

* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



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Amphenol Connex AMP



50Ω/75Ω BNC Connectors and Adapters

Plugs

Part No.	Manufacturer	Product No.	Fig.	Description	★ Web Code: BCP		
					1	10	50
355099	ValuePro	31-2	1	50Ω plug, clamp, for RG-58/141/142/400 (UG-88/U)	\$.99	\$.89	\$.79
71482	ValuePro	200-145	2	50Ω plug, 3 pcs, crimp, for RG-58	1.75	1.55	1.39
2161254	ValuePro	B-111F-R-NGD	2	50Ω plug, 3 pcs, crimp, for RG-58/58C/141/B7806A	1.75	1.49	1.25
188306	Amphenol RF	31-320-RFX	2	50Ω plug, 3 pcs, crimp, for RG-58/58C/141/B7806A	2.25	1.99	1.75
71271	ValuePro	200-143	2	75Ω plug, 3 pcs, crimp, for RG-59	1.25	1.09	.99
112110	ValuePro	G7409	2A	50Ω male with pin and ferrule, for RG-174, 4 pcs.	1.75	1.49	1.25
2161246	ValuePro	B-111L-R-NGD	2	50Ω plug, 3 pcs, crimp, for RG-174/U; 188A/U; 316/U	1.49	1.25	1.09
188349	Amphenol RF	31-315-RFX	2A	50Ω plug, 4 pcs, crimp, for RG-174/U; 188A/U; 316/U	2.49	2.25	1.99
71781	ValuePro	200-142	3	75Ω plug, twist-on, for RG-59	1.25	1.09	.99
295953	Amphenol Connex	112116	4	50Ω crimp plug, captive contact, for RG-58/58A/58C/141/303	1.59	1.45	1.35
296008	Amphenol Connex	112132	4	50Ω crimp plug, captive contact, for RG-174/188A/316/B7805A	2.49	2.25	1.95
296016	Amphenol Connex	112133	4	75Ω crimp plug, captive contact, for RG-179/187/B9221	.59	.49	.39
311327	ValuePro	69475	5	50Ω/75Ω plug, clamp, for RG-174/179/187/188/316	1.25	1.09	.99

Jacks

Part No.	Manufacturer	Product No.	Fig.	Description	★ Web Code: BCI		
					1	10	50
174290	ValuePro	TBC-090	6	Jack, chassis mount	\$1.75	\$1.59	\$1.39
355120	ValuePro	31-203	6	50Ω jack, panel mount, solder cup	1.75	1.59	1.45
355224	ValuePro	31-318-RFX	7	50Ω bulkhead jack, crimp, for RG-174/U; 188A/U; 316/U	1.25	1.09	.99
355178	ValuePro	31-221	8	50Ω jack, panel mount, solder cup (UG-1094/U)	2.25	1.95	1.75
223511	Amphenol RF	31-221	9	50Ω jack, panel mount, solder cup	2.95	2.75	2.49
2161297	ValuePro	B-235-1-R	10	50Ω bulkhead jack, solder terminal	1.39	1.25	1.09
658427	Amphenol Connex	112424	10	50Ω bulkhead jack, solder cup	2.49	2.25	1.95
2161262	ValuePro	B-235-R	11	50Ω bulkhead jack, isolated, solder terminal	2.49	2.25	1.95
296067	Amphenol Connex	112431	11	50Ω bulkhead jack, isolated, solder terminal	4.49	3.95	3.49
493917	AMP	227161-3	12	50Ω jack, right angle, PCB	2.25	1.95	1.75
421331	AMP	227726-3	13	50Ω jack, isolated, solder	2.95	2.75	2.49
111561	ValuePro	200-148	14	50Ω jack, isolated, panel mount	2.49	2.25	1.95
160929	ValuePro	B211F-58	15	Jack, 3 pcs, crimp type, for RG-58	1.75	1.49	1.25
161922	ValuePro	B211F-174	15	Jack, 3 pcs, crimp type, for RG-174	1.25	1.09	.99
2077618	ValuePro	BNC-CR	16	75Ω jack, chassis PCB receptacle	.35	.29	.25
146511	ValuePro	CH-7044S	17	75Ω jack, right angle, plastic, PC mount, w/ washer & nut	2.49	2.25	1.95
2135646	Bomar	SPX44202	18	Jack, straight, PC mount (gold)	.79	.69	.59
161656	ValuePro	CH-7087D	19	75Ω jack, right angle, metal, PC mount	1.49	1.25	1.09
71590	ValuePro	G1B235	20	Jack, panel mount (UG-1094A)	1.95	1.75	1.49
1952821	Foxconn	KDA1001-H0	21	Jack, right angle, plastic insulation, PC mount	.79	.69	.59

Adapters/Couplers

Part No.	Manufacturer	Product No.	Fig.	Description	★ Web Code: BCC		
					1	10	50
127343	ValuePro	B-311	22	50Ω male/male coupler (UG-491B/U)	\$2.75	\$2.49	\$2.25
363961	ValuePro	31-218	22	50Ω straight adapter, plug-plug (UG-491A/U)	3.95	3.59	3.19
355152	ValuePro	31-219-RFX	23	50Ω straight adapter, jack-jack (UG-914/U)	2.95	2.65	2.39
296083	Amphenol Connex	112446	23	75Ω straight adapter, jack-jack	2.49	2.35	2.19
311351	ValuePro	31-220N-RFX	24	50Ω bulkhead adapter, jack-jack	3.25	2.95	2.75
72629	ValuePro	200-150	25	50Ω female to female/female T-adapter	2.25	1.95	1.75
118594	ValuePro	200-155	26	50Ω male to female/female T-adapter	2.19	1.95	1.75
71909	ValuePro	200-160	27	Female/female coupler (UG-914)	1.49	1.25	1.09
148224	ValuePro	200-165	28	50Ω coupler, jack-jack, panel mount	1.95	1.75	1.65
148232	ValuePro	B-332-IF	28	50Ω coupler, jack-jack, isolated, w/ washer & nut	2.25	1.95	1.75
100597	ValuePro	40958-Y	29	50Ω male to female/female T-adapter (180°)	6.95	6.25	5.49
658451	Amphenol Connex	112437	30	50Ω jack-to-jack bulkhead adapter (all 50Ω coax cables)	3.49	3.25	3.09
658515	Amphenol Connex	112461	31	50Ω T-adapter, jack-plug-jack	2.95	2.75	2.49
117461	ValuePro	B-068	32	75Ω male to female/female F-adapter (90°)	4.25	3.75	3.25
127352	ValuePro	B-412	33	Male to female right angle (DG-306B/O)	3.95	3.25	2.49

BNC Terminators

Part No.	Manufacturer	Product No.	Fig.	Description	★ Web Code: BCT		
					1	10	50
71458	ValuePro	B-611T	34	50Ω BNC male terminator	\$1.75	\$1.49	\$1.25
71790	ValuePro	200-177	34	75Ω BNC male terminator (5%)	.99	.89	.79
658523	Amphenol Connex	202103	35	50Ω terminator plug	2.49	2.25	2.09



Fig. 1 Fig. 2 Fig. 2A



Fig. 3 Fig. 4



Fig. 5 Fig. 6 Fig. 7



Fig. 8 Fig. 9 Fig. 10



Fig. 11 Fig. 12 Fig. 13



Fig. 14 Fig. 15



Fig. 16 Fig. 17 Fig. 18



Fig. 19 Fig. 20 Fig. 21



Fig. 22 Fig. 23 Fig. 24



Fig. 25 Fig. 26 Fig. 27



Fig. 28 Fig. 29



Fig. 30 Fig. 31 Fig. 32



Fig. 33 Fig. 34 Fig. 35

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

JAMECO ValuePro

BNC, RCA & SMA RF Adapters

*Web Code: RFS

Part No.	Manufacturer	Product No.	Description	1	10	50
153454	ValuePro	SB-321	SMA female to BNC male	\$2.75	\$2.49	\$2.25
159469	ValuePro	CH-7830-N	SMA female to BNC female	3.25	2.95	2.59
153593	ValuePro	4288	SMA male to BNC male	3.49	3.19	2.89
159477	ValuePro	CH-7820-N	SMA male to BNC female	4.25	3.95	3.55
207168	ValuePro	BJ-7072	RCA female to BNC female	1.95	1.75	1.49
114789	ValuePro	BR312	RCA female to BNC male	1.89	1.65	1.49
207176	ValuePro	BJ-7055	RCA male to BNC male	2.49	2.25	2.09
114753	ValuePro	RB312	RCA male to BNC female	1.89	1.65	1.49
114770	ValuePro	200-108	BNC female to F connector male	1.65	1.49	1.35
174255	ValuePro	TBC-176	BNC male to F connector female	1.95	1.75	1.49



Amphenol Connex

UHF Adapter

*Web Code: UCA

Part No.	Manufacturer	Mfr. Part No.	Description	1	10	50
668377	Amphenol Connex	182106	PL-259 straight adapter, nickel finish, phenolic insulator	\$3.95	\$3.55	\$3.19

Amphenol Connex

50Ω Type N Connector

*Web Code: CSQ

Part No.	Manufacturer	Mfr. Part No.	Description	1	10	50
659294	Amphenol Connex	172123	Jack-to-jack adapter	\$3.95	\$3.55	\$3.19



FOXCONN

75Ω "F" Connectors & Adapters

*Web Code: FCA

Part No.	Manufacturer	Product No.	Description	1	10	50
291725	ValuePro	200-051	F-jack to jack (gold)	\$.59	\$.49	\$.39
295380	ValuePro	200-107	F-right angle jack to plug (nickel)	1.95	1.75	1.59
1952943	Foxconn	200-190	F-right angle PC mount jack (90° barrel)	.39	.35	.29
289887	ValuePro	200-035	F-crimp on for RG-6, nickel plated	.39	.35	.29

JAMECO ValuePro

50Ω SMB Connectors

*Web Code: SCS

Part No.	Manufacturer	Product No.	Fig.	Description	Plating	1	10	50
167312	ValuePro	24-12-2TGG-R	1	50Ω right angle jack, PCB mount	Gold	\$1.75	\$1.49	\$1.25
172364	ValuePro	24-07L-1-TGG	2	50Ω bulkhead crimp jack	Gold	1.95	1.75	1.49
172372	ValuePro	24-05L-1-TGG-R	3	50Ω cable crimp plug	Gold	2.95	2.59	2.25



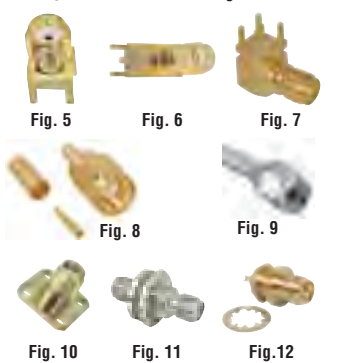
Amphenol Connex

50Ω SMA Connectors

*Web Code: SGX

Part No.	Manufacturer	Product No.	Fig.	Description	Plating	1	10	50
296227	Amphenol Connex	132101	9	Straight cable plug w/ contact (RG-405U)	Gold	\$3.95	\$3.59	\$3.19
157972	ValuePro	19-03F-4TGG	4	Straight crimp type male plug (RG-58), 3 pcs.	Gold	2.49	2.25	1.95
153366	ValuePro	4804	8	Straight crimp type male plug (RG-174), 3 pcs.	Gold	3.25	2.95	2.65
145382	ValuePro	19-46G	5	Straight female PCB mount, 4 legs	Gold	3.49	3.19	2.89
145374	ValuePro	19-49G	6	90° female PCB mount, 4 legs	Gold	3.49	3.19	2.89
355283	ValuePro	901-143-6-RFX	7	Jack, right angle, PC mount	Gold	5.95	5.39	4.75
188509	Amphenol RF	901-144-8-RFX	5	Jack, right angle, PC mount	Gold	3.95	3.59	3.25
2161238	ValuePro	S-P215-R	5	Jack, straight, PC mount	Gold	2.95	2.65	2.39
159531	ValuePro	CH-7814	10	Female panel mount, 4 mounting holes (G-58/174)	Gold	3.95	3.59	3.25
160013	ValuePro	CH-7818-N	11	Panel mount feed thru, female-female	Nickel	4.95	4.25	3.75
153286	ValuePro	SMA-7813	12	Bulkhead solder female w/ washer, rear mount (RG-58/174)	Gold	3.95	3.59	3.19

Solder cup

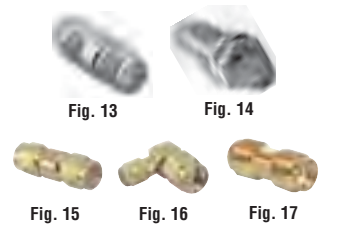


Amphenol Connex

SMA Adapters and Couplers

*Web Code: SGX

Part No.	Manufacturer	Product No.	Fig.	Description	Plating	1	10	50
659041	Amphenol Connex	132169	13	50Ω jack-to-jack adapter	Gold	\$5.49	\$4.95	\$4.45
2161300	ValuePro	S-322-H-R	14	50Ω jack-to-jack adapter, bulkhead feed-through	Gold	3.95	3.59	3.25
659059	Amphenol Connex	132170	14	50Ω jack-to-jack adapter, bulkhead feed-through	Gold	6.95	6.59	5.95
161294	ValuePro	S-311-G	15	Straight coupler male-male	Gold	3.49	3.25	2.95
161307	ValuePro	S-412-G	16	Right angle coupler male-female	Gold	5.95	5.49	4.95
153294	ValuePro	SMA-7817	17	Straight coupler female - jack-to-jack	Gold	3.95	3.59	3.19



JAMECO BenchPro

Universal Hand Crimp Tool for RG-58 and RG-59 Connectors

*Web Code: GBU

Part No.	Cross Ref.	Description	Die Cavities (in.)	Ferrule	1	5
261745	DL-806A	Center conductor crimp tool on BNC and TNC	0.255/0.213/0.068	3/8"	\$17.95	\$15.95



*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

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SMA/SMB 50Ω Coax Cables



Fig. 1: SMA right angle male to SMA female
Fig. 2: SMA male to SMA male
Fig. 3: SMA male to SMA right angle male
Fig. 4: SMA right angle male to SMA right angle male
Fig. 5: SMB plug female to SMB plug female

Part No.	Cable	Fig.	Length (ft.)	1	10	50
2099391	RG-58	1	0.5	\$1.25	\$1.09	\$0.99
159371	RG-58	2	2	4.49	3.99	3.59
159397	RG-58	2	6	5.95	5.49	4.95
169801	RG-174	2	0.5	3.19	2.75	2.49
163855	RG-174	2	1	3.95	3.59	3.25
153382	RG-174	2	2	4.95	4.49	3.95
153391	RG-174	2	4	5.95	5.49	4.95
159451	RG-174	2	6	6.95	6.25	5.59
175135	RG-174	3	1	4.49	4.25	3.95
175143	RG-174	4	0.5	3.49	3.25	2.95
175152	RG-174	4	1	4.95	4.49	3.95
175178	RG-174	5	1	4.95	4.49	3.95



BNC Male Coax Cables



RG58/U 50Ω Network & Oscilloscope Cables

Part No.	Cross Ref. No.	Length (ft.)	1	10	50
181308	CRG58-1RR	1	\$3.95	\$3.55	\$3.19
102315	CRG58-1	1.5	3.95	3.55	3.19
256743	CBB-224-24	2	4.95	4.49	3.95
11404	CRG58-3	3	4.95	4.49	3.95
102331	CRG58-6	6	4.95	4.49	3.95
180822	CRG58-10	10	4.95	4.49	3.95
102350	CRG58-12	12	4.95	4.49	3.95
169818	CRG58-15	15	5.95	5.35	4.75
102357	CRG58-25	25	6.95	6.25	5.49
102365	CRG58-50	50	9.95	8.95	7.95
102381	CRG58-100	100	12.95	11.49	9.95

RG6 75Ω Cables

Part No.	Description	1	10	50
176794	3' BNC to BNC	\$4.95	\$4.49	\$3.95
176815	6' BNC to BNC	5.25	4.75	4.25

RG59/U 75Ω CATV & Video Patch Cords

Part No.	Cross Ref. No.	Length (ft.)	1	10	50
86472	CRG59-1	1.5	\$5.95	\$5.35	\$4.79
85543	CRG59-6	6	6.95	6.25	5.59

RG174/U 50Ω Network & Oscilloscope Cables

Part No.	Description	Length (ft.)	1	10	50
111473	RG174U3	3	\$5.49	\$4.95	\$4.49
111482	RG174U6	6	6.95	6.25	5.49

TELECOM Telecom Splice Connectors

Provides clean, solid and rapid connection of wires to keep lines free of noise

Part No.	Color	AWG	Conductors	1	10	100
169755	Yellow	22-26	2	\$0.25	\$0.22	\$0.15
169755	Red	19-26	3Y	.29	.25	.19



Standard Double Row Barrier Terminal Blocks

- Insulation: molded mono block, general purpose phenolic, black, UL94V-1
- Screw material: steel with nickel over copper flash plating

* Web Code: YBM

140 Series 15A (5-40 x 3/16" BH screws)

- 3750-watts/terminal max.
- 16 AWG wire max.
- Size: 0.88"W x 0.41"H

230990

NEW MARKED IN PINK

Part No.	Mfr. P/N	Pos.	Length	1	10	100
2172682	TDA-02	2	1.42"	\$0.99	\$0.89	\$0.79
230973	2-140	2	1.41"	1.49	1.39	1.25
2173757	TDA-03	3	1.79"	1.19	1.09	.99
230981	3-140	3	1.78"	1.75	1.65	1.59
2173765	TDA-04	4	2.17"	1.49	1.35	1.19
230990	4-140	4	2.16"	1.95	1.85	1.75
2173773	TDA-06	6	2.91"	1.99	1.75	1.59
231010	6-140	6	2.91"	2.39	2.29	2.15
2173781	TDA-08	8	3.66"	2.49	2.25	1.95
231036	8-140	8	3.66"	2.89	2.75	2.49
231052	10-140	10	4.41"	3.95	3.75	3.49
231061	12-140	12	5.16"	3.95	3.75	3.49
1775983	14-140	14	5.91"	4.95	4.75	4.49

* Manufacturer: Adam Tech

141 Series 20A (6-32 x 1/4" BH screws)

- 5000-watts/terminal max.
- 14 AWG wire max.
- Size: 1.13"W x 0.5"H

2100021

Part No.	Product No.	Pos.	Length	1	10	100
2100021	3-141	3	1.78"	\$1.25	\$1.19	\$1.09
231378	4-141	4	2.50"	2.29	1.95	1.75
231394	6-141	6	3.38"	2.75	2.59	2.39
231415	8-141	8	4.25"	3.49	3.25	3.09
231431	10-141	10	5.13"	3.75	3.55	3.39

* Manufacturer: Jameco ValuePro

142 Series 30A (8-32 x 5/16" BH screws)

- 7500-watts/terminal max.
- 10 AWG wire max.
- Size: 1.312"W x 0.625"H

Part No.	Mfr. P/N	Pos.	Length	1	10	100
440891	42	8	5.47"	\$5.49	\$5.25	\$4.95

Terminal Block Jumpers

For connecting between adjacent terminals or alternate terminals.

- 2-position • Brass w/ nickel plating

Part No.	Mfr. Part No.	1	10	100
659382	140J-1 (140 series)	\$0.35	\$0.29	\$0.25
448500	141J (141 series)	.39	.35	.29



Wire Connectors

- UL approved nylon 66, 94V2
- Strip wire before application
- Twist on type

140717

182450/2121543: UL/CSA approved
140717: PE – metal inside

Part No.	Description	10	100	1000
140717	Wire IDC 22-18 AWG	\$0.15	\$0.12	\$0.09
182511	Wire nut 16 AWG	.12	.09	.07
182450	Crimp 16-14 AWG	.19	.15	.12
2121543	Crimp 8-6 AWG	.09	.08	.07

* Requires crimping tool (P/N 72996, pg 66)



European Terminal Blocks

- Number of poles: 12
- Terminal insert: brass metal alloy, nickel plated
- Material: polyamide 66 (nylon 66), UL94V-2, natural
- Screws: zinc plated, yellow chromed, PA8 (M2.6), PA10, ES08, ES10 (M3.0), PA12 (3.5)

215011

* Web Code: CBJ

Part No.	Product No.	Amps	AWG	1	10	100
2120161	ES0800/12DS	10	16-22	\$1.49	\$1.25	\$1.09
2120170	ES1000/12DS	20	16-20	1.95	1.75	1.49
215011	PA8HDS	20	12-22	1.75	1.59	1.39
215029	PA10HDS	30	10-22	2.39	2.25	1.95
215037	PA12HDS	35	10-22	2.95	2.75	2.49

* 300V, Mfr.: On-Shore Technology † 450V

molex BEAU Barrier Terminal Blocks

.375" Double Row Low Profile

- Wire AWG range: 12-24AWG
- Terminal: brass, nickel plated
- Insulator: thermoplastic, UL94V-0
- Screws: #6-32 BH screws, steel, zinc chromate plate

Part No.	Mfr. Part No.	Beau No.	Pos.	1	10	100
2125940	38770-0103	77003	3	\$1.09	\$0.89	\$0.75
659411	38770-0104	77004	4	1.95	1.79	1.59
659454	38770-0108	77008	8	2.75	2.49	2.25
659489	38770-0112	77012	12	4.49	3.95	3.59



Metric Tri-Barrier Single Row Terminal Blocks

- Off center PC mount
- Brass, tin-plated terminals
- Steel, nickel-plated screws
- UI/CSA recognized

DT39 Series

- Current rating: 20A @ 300V
- Wire gauge range: 12-22 AWG
- M3 screw size
- Pitch: 8.25mm
- Height: 12.7mm

* Web Code: YBT

HB95 Series

- Current rating: 10A @ 250V
- Wire gauge range: 14-22 AWG
- M3.5 screw size
- Pitch: 9.5mm
- Height: 14.3mm

Part No.	Cross Ref.	Pos.	Length (mm)	1	10	100
2133616	DT39-B01W-06	6	50.6	\$0.75	\$0.65	\$0.59
2133624	DT39-B01W-08	8	67.2	.99	.89	.79
2162628	HB951-08P	8	77.5	.99	.89	.79



Metric Double Row Terminal Blocks

- Body: black thermoplastic (UL94V-0)
- Terminals: brass tin plated
- Screws: steel nickel plated
- 12-18 AWG

Part No.	Cross Ref.	Pos.	Length (mm)	1	10	100
208857	GGE-10-4P	4	55	\$0.99	\$0.89	\$0.79
208865	GGE-10-6P	6	74	1.49	1.35	1.19
208900	GGE-10-10P	10	112	2.29	1.95	1.75
208882	GGE-10-12P	12	131	2.95	2.69	2.39

20A @ 600V

Part No.	Cross Ref.	Pos.	Length (mm)	1	10	100
207547	GGE-20-6P	6	85.3	\$1.75	\$1.59	\$1.35
207563	GGE-20-10P	10	128.9	2.39	2.15	1.95
207572	GGE-20-12P	12	150.7	2.95	2.75	2.49



0.138" (3.5mm) to 0.200" (5.08mm) Terminal Blocks

Part No.	Mfr.	Mfr. Part No.	Fig.	Term.	Terminal Spacing	Description	1	10	100
2094506	OST	OSTTE020161	1	2	0.138"/3.5mm	Top screw	.39	.35	.29
2094522	OST	OSTTF020161	2	2	0.138"/3.5mm	Side screw	.39	.35	.29
2094514	OST	OSTTE030161	1	3	0.138"/3.5mm	Top screw	.49	.45	.39
2124411	OST	OSTTE040161	1	4	0.138"/3.5mm	Top screw	.55	.49	.45
2094565	OST	OSTTJ0231530	4	2	0.150"/3.81mm	R/A screw	.59	.55	.49
2094573	OST	OSTTJ0331530	4	3	0.150"/3.81mm	R/A screw	.75	.65	.55
2094485	OST	OSTTA020161	5	2	0.197"/5.0mm	Top screw	.39	.35	.29
160785	Dinkle	EK500V-02P	6	2	0.197"/5.0mm	Top screw	.65	.59	.49
164794	OST	OSTTH020160	3	2	0.197"/5.0mm	Top screw	.55	.45	.39
99427	Dinkle	128V2P-R	7	2	0.197"/5.0mm	Top screw	.85	.65	.55
189676	OST	OSTTC020162	8	2	0.197"/5.0mm	Top screw	.45	.35	.29
161067	Dinkle	EK500A-02P	9	2	0.197"/5.0mm	45° angle screw	.89	.79	.59
2159656	Phoenix	SMKDSN1.5/2	14	2	0.197"/5.0mm	55° angle screw	.79	.69	.49
2094493	OST	OSTTA030161	5	3	0.197"/5.0mm	Top screw	.49	.45	.39
2081203	Dinkle	ED500V-3P	10	3	0.197"/5.0mm	Top screw	.29	.25	.19
189668	OST	OSTTC030162	8	3	0.197"/5.0mm	Top screw	.39	.35	.29
99398	Dinkle	DT128V3P	7	3	0.197"/5.0mm	Top screw	1.09	.99	.89
160793	Dinkle	EK500V-03P	6	3	0.197"/5.0mm	Top screw	1.09	.99	.89
164806	OST	OSTTH030160	3	3	0.197"/5.0mm	Top screw	.85	.79	.69
161059	Dinkle	EK500A-03P	9	3	0.197"/5.0mm	45° angle screw	1.25	1.09	.95
2124429	OST	OSTTA040161	5	4	0.197"/5.0mm	Top screw	.65	.59	.55
2124470	OST	DT128V4P-R	7	4	0.197"/5.0mm	Top screw	.65	.59	.55
164815	OST	OSTOP240000	13	24	0.197"/5.0mm	1.3 x 1.3mm	1.35	1.19	1.05
2120567	OST	OSTYC022150	6	2	0.200"/5.08mm	Top screw	.49	.45	.39
2120647	OST	OSTTC022162	1	2	0.200"/5.08mm	Top screw	.35	.29	.25
2094581	OST	OSTTJ025153	11	2	0.200"/5.08mm	Top screw	.69	.65	.59
152347	OST	OSTTA024163	12	2	0.200"/5.08mm	Top screw	.69	.65	.59
2120575	OST	OSTYC032150	6	3	0.200"/5.08mm	Top screw	.59	.55	.49
2120655	OST	OSTTC032162	1	3	0.200"/5.08mm	Top screw	.49	.45	.39
152355	OST	OSTTA034163	12	3	0.200"/5.08mm	Top screw	.59	.55	.49
2094590	OST	OSTTJ035153	11	3	0.200"/5.08mm	Top screw	1.09	.99	.89
2124445	OST	OSTTA044163	12	4	0.200"/5.08mm	Top screw	.69	.65	.59



★ Web Code: XBD

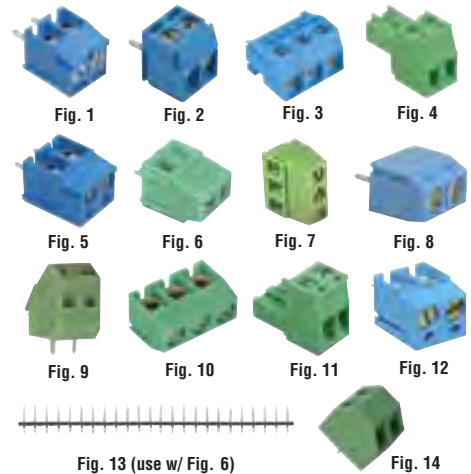


Fig. 13 (use w/ Fig. 6)

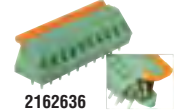
Fig. 14



PCB Terminal Blocks

PCB mounted terminal blocks with spring loaded contacts for easy connections.

- Stackable terminal blocks
- Accepts 14-24 AWG wires
- Nominal current: 16A
- Nominal voltage: 250V
- 5.08mm lead spacing
- Spring cage connection • 45° position



2162636
2162644: single position with left end plate
2162636: 10-position with right end plate

Part No.	Mfr. Part No.	Pos.	Lgth (mm)	1	10	100
2162644	1706730	1	7.62	.. \$.59	.. \$.55	.. \$.49
2162636	1706714-10	10	50.88	.. \$ 3.95	.. \$ 3.59	.. \$ 2.95



DIN Rail-Mounted Terminal Block & DIN Rail

- Molded thermoplastic
- 12-22 AWG
- Spacing: 5.06mm (.199")
- UL rated voltage and current: 600V @ 20A



248736: 35mm W x 7.5mm D

Part No.	Mfr. Part No.	Type	1	10	100
237083	41296.2	SR2.5	.. \$.99	.. \$.89	.. \$.75
248736	2094.0(IM)	TS35 x 7.5	8.95	7.95	6.95

Solderless Terminal Kit

170 Terminals & Connectors!

- Clear, hinged plastic box
- Use crimping tool



Qty.	Description	Wire Gauge	Blade Size	Qty.	Description	Wire Gauge	Blade Size
10	Male spade	22-16	1/4"	10	Ring term.	16-14	#10
10	Male spade	16-14	1/4"	5	Ring term.	12-10	#10
10	Fem. spade	22-16	1/4"	5	Ring term.	12-10	#14
10	Fem. spade	16-14	1/4"	10	Spade term.	16-22	#6
10	Ring term.	22-16	#6	10	Spade term.	16-22	#8
10	Ring term.	22-16	#8	10	Spade term.	16-14	#10
10	Ring term.	16-14	#10	10	Butt conn.	16-22	—
15	Ring term.	16-14	#6	10	Butt conn.	16-14	—
10	Ring term.	16-14	#8	5	Butt conn.	12-10	—

Part No.	Cross Ref. No.	1	10	25
10990	G1C175-R	.. \$ 14.95	.. \$ 13.49	.. \$ 11.95

UL1007 & UL1569 Rated Hook-Up Wire

★ Web Code: JAS

Make wiring simple with these small gauge wire rolls. Able to handle high voltages while fitting and mounting easily into your terminal block slots. Applications: Interconnection circuits, wiring of computer and data processing equipment, applications and automotive.

- 300V peak
- PVC insulation
- Stranded
- Sold in 100' rolls
- VW-1
- Tin-plated copper
- Temp. range: -40°C to 80°C (UL1007); -40°C to 105°C (UL1569)

Appliance Wiring Material (AWM) is UL recognized covering of insulated wire & cable intended for internal wiring of appliances & equipment.



AWG	Stranding	UL1007	UL1569	Black P/N	Red P/N	White P/N	Green P/N	Yellow P/N	Blue P/N	1	5	10
28	7 x 36	x	x	734611	734603	734610	734606	734605	734614	\$6.95	\$6.49	\$5.95
26	7 x 34	x	x	734511	734503	734510	734506	734505	734514	7.95	6.95	6.25
24	7 x 32	x	x	734411	734403	734410	734406	734405	734414	9.95	8.95	7.95
22	7 x 30	x		126085	126034	126077	310852	310878	310886	9.95	8.95	7.95
22	7 x 30	x	x	734311	734303	734310	734306	734305	734314	10.95	9.95	8.95
20	10 x 30	x		125840	125795	125831	310894	310915	310922	11.95	10.95	9.95
20	10 x 30	x	x	734211	734203	734210	734206	734205	734214	12.95	11.95	10.95
18	16 x 30	x		125787	125736	125752	310932	310949	310958	15.95	14.49	12.95
18	16 x 30	x	x	734111	734103	734110	734106	734105	734114	16.95	14.95	13.49
16	26 x 30	x	x	734011	734003	734010	734006	734005	734014	18.95	16.95	14.95

For additional wire,
see page 45

Screwdrivers can be
found on page 134

PHOTOBOARDS

- 0.1" hole spacing
- Epoxy glass PCB material

Part No.	Size (in.)	1	10
105100	1.6 x 2.7	.. \$ 5.95	.. \$ 5.49
21478	5.0 x 13.25	39.95	35.95

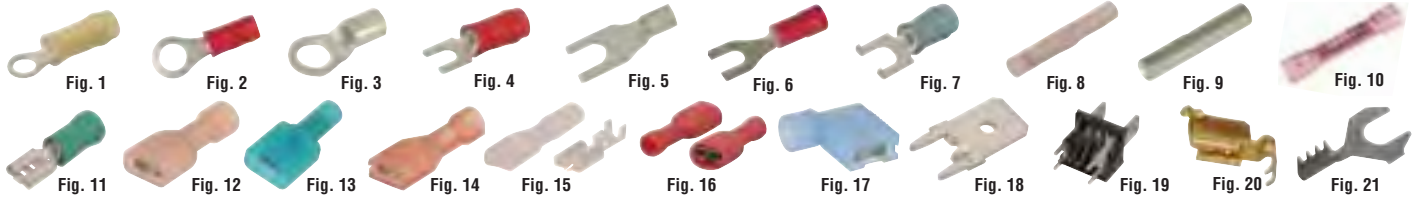
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Terminals, Splices and Quick Connect/Disconnect



Ring Tongue Terminals

Part No.	Mfr.	Product No.	Fig.	Insul.	Stud Size	AWG	Color	* Order in multiples of 10		
								1	10	100
2139073	Panduit	PV18-6R-M	2	Plastic	#6	22-18	Red	.....	\$.12	\$.09
302658	AMP	31880	1	Nylon	#4	22-16	Red	.....	.29	.19
103684	ValuePro	2048	2	Plastic	#6	22-16	Red	.....	*.19	.15
2160593	ValuePro	36152VP	2	Plastic	#6	22-16	Red	.....	*.15	.13
302666	AMP	36152	2	Plastic	#6	22-16	Red	.....	.25	.15
2160622	ValuePro	31890VP	2	Plastic	#8	22-16	Red	.....	*.15	.12
302674	AMP	31890	2	Plastic	#8	22-16	Red	.....	*.19	.15
844289	AMP	34107	3	Uninsul.	#6	22-16	—	.....	.29	.19
844377	AMP	34111	3	Uninsul.	#8	22-16	—	.....	.29	.19
302720	AMP	320619	1	Nylon	#6	16-14	Blue	.....	*.19	.15
2160569	ValuePro	320565VP	2	Nylon	#8	16-14	Blue	.....	*.19	.15
302738	AMP	320565	2	Nylon	#8	16-14	Blue	.....	.29	.19
302746	AMP	36160	1	Nylon	#10	16-14	Blue	.....	*.15	.12
2160606	ValuePro	321045VP	1	Nylon	#1/4	16-14	Blue	.....	*.19	.15
302754	AMP	321045	1	Nylon	#1/4	16-14	Blue	.....	.25	.17
2139065	Panduit	P10-56R-D	3	Uninsul.	#5/16	12-10	—	.....	*.19	.15
2144681	Panduit	PV10-8R-D	2	Vinyl	#8	12-10	Yellow	.....	*.19	.15
302797	AMP	35108	1	Nylon	#8	12-10	Yellow	.....	.29	.19
302800	AMP	35109	1	Nylon	#10	12-10	Yellow	.....	.25	.17

Spade Tongue Terminals

Part No.	Mfr.	Product No.	Fig.	Insul.	Stud Size	AWG	Color	* Order in multiples of 10		
								1	10	100
302851	AMP	328394	4	Nylon	#2	22-16	Red	.....	\$.35	\$.29
2125780	3M	MVU18-4FLK	4	Vinyl	#4	22-16	Red	.....	.29	.19
302869	AMP	327717	4	Nylon	#4	22-16	Red	.....	.39	.33
2160577	ValuePro	34541VP	4	Nylon	#6	22-16	Red	.....	*.15	.13
302877	AMP	34541	4	Nylon	#6	22-16	Red	.....	.25	.17
103588	ValuePro	SVS1-3.7	4	Vinyl	#6	22-16	Red	.....	*.17	.15
2160631	ValuePro	323127VP	5	Uninsul.	#6	22-16	—	.....	*.15	.13
842929	AMP	323127	5	Uninsul.	#6	22-16	—	.....	*.19	.15
2129764	ETCO	PS55-130-THB	21	Uninsul.	#6	22-26	—	.....	*.05	.04
502879	Molex	19144-0001	6	PVC	#5-6	18-22	Red	.....	.25	.17
2160585	ValuePro	35559VP	4	Nylon	#6	16-14	Blue	.....	*.19	.15
302906	AMP	35559	4	Nylon	#6	16-14	Blue	.....	.25	.17
302914	AMP	32059	4	Nylon	#8	16-14	Blue	.....	.49	.39
103596	ValuePro	SVM-2	4	Vinyl	#8	16-14	Blue	.....	.25	.19
302949	AMP	326859	4	Nylon	#6	12-10	Yellow	.....	.59	.49

Flanged Spade Tongue Terminals

Part No.	Mfr.	Product No.	Fig.	Insul.	Stud Size	AWG	Color	1	10	100
2160551	ValuePro	320862VP	7	Nylon	#8	16-14	Blue	.....	\$.25	\$.21
303010	AMP	320862	7	Nylon	#8	16-14	Blue	.....	.29	.22

Solderless Terminal/Quick Connect Cable Assembly

- **2100056:** #6 stud ring tongue terminal 22-16 AWG (fig. 1) and #6 stud spade tongue terminal 22-16 AWG (fig. 4)
- **2100081:** #6 stud spade tongue terminal 22-16 AWG (fig. 4) and .250" quick connect/disconnect connector 22-16 AWG (fig. 14)
- **2100099:** Dual cable, .250" quick connect/disconnect connector 22-16 AWG (fig. 14)

Part No.	Product No.	Wire (AWG)	Length	* Order in multiples of 10		
				1	10	100
2100056	STCA-11	18 (green)	11'	.....	\$.19	\$.15
2100081	STQC-13	18 (green)	13'	.....	.19	.15
2100099	QCDC-39	18 (black & white)	39'	.....	.35	.25

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Butt Disconnect Splices

Part No.	Mfr.	Product No.	Fig.	Insul.	Type	AWG	Color	* Order in multiples of 10		
								1	10	100
303167	AMP	323994	8	Nylon	Butt	24-20	Natural	.....	\$.75	\$.65
2160542	ValuePro	320559VP	8	Nylon	Butt	22-16	Red	.....	.35	.29
303175	AMP	320559	8	Nylon	Butt	22-16	Red	.....	.55	.45
494469	Molex	19215-0009	9	Uninsul.	Butt	22-18	—	.....	*.12	.09
491305	Molex	19164-0013	10	NiAC	Butt	22-18	Red	.....	.39	.35
503062	Molex	19154-0004	8	PVC	Butt	18-22	Red	.....	*.19	.15
303183	AMP	320562	8	Nylon	Butt	16-14	Blue	.....	.59	.55

Quick Connect/Disconnect Female Terminals

Part No.	Mfr.	Product No.	Fig.	Insul.	Size (ins.)	AWG	Color	* Order in multiples of 10		
								1	10	100
303247	AMP	640923-1	11	Nylon	.110 x .020	22-18	Red	.....	\$.29	\$.25
303255	AMP	640917-1	11	Nylon	.187 x .020	22-18	Red	.....	.25	.15
489635	Molex	19003-0011	12	Nylon	.187 x .020	22-18	Red	.....	*.19	.15
837134	AMP	2-520411-2	12	Nylon	.187 x .032	22-18	Red	.....	.25	.19
489643	Molex	19003-0017	12	Nylon	.187 x .032	22-18	Red	.....	.25	.15
2160614	ValuePro	2-520182-2VP	14	Nylon	.187 x .020	22-18	Red	.....	*.15	.13
524197	AMP	2-520182-2	14	Nylon	.187 x .020	22-18	Red	.....	.25	.15
303280	AMP	640903-1	11	Nylon	.250 x .032	22-18	Red	.....	.25	.19
489627	Molex	19003-0001	12	Nylon	.250 x .032	22-18	Red	.....	*.19	.15
489475	Molex	19002-0001	13	Nylon	.250 x .032	22-18	Red	.....	.35	.29
489758	Molex	19005-0001	12	Nylon	.250 x .032	22-18	Red	.....	.29	.15
2121551	ValuePro	QCD187	15	Nylon	.187 x .032	22-16	Clear	.....	*.15	.12
106922	ValuePro	FDV1-187	11	Vinyl	.187 x .032	22-16	Red	.....	*.12	.09
109112	ValuePro	GFF1250	16	Vinyl	.250 x .032	22-16	Red	.....	*.19	.15
103668	ValuePro	FDV1-250	11	Vinyl	.250 x .032	22-16	Red	.....	*.19	.15
303301	AMP	640919-1	11	Nylon	.187 x .020	16-14	Blue	.....	*.19	.17
489694	Molex	19003-0050	12	Nylon	.187 x .020	16-14	Blue	.....	.29	.19
303327	AMP	640905-1	11	Nylon	.250 x .032	16-14	Blue	.....	.25	.19
489766	Molex	19005-0005	12	Nylon	.250 x .032	16-14	Blue	.....	.25	.15
489678	Molex	19003-0040	12	Nylon	.250 x .032	16-14	Blue	.....	*.19	.15
489871	Molex	19007-0021	17	Nylon	.250 x .032	16-14	Blue	.....	.35	.29
303343	AMP	640907-1	11	Nylon	.250 x .032	12-10	Yellow	.....	.39	.35
489774	Molex	19005-0010	12	Nylon	.250 x .032	10-12	Yellow	.....	.39	.29

* Translucent

Quick Connect/Disconnect Male Terminals Insulated

Part No.	Mfr.	Mfr. Part No.	Fig.	Insul.	Size (ins.)	AWG	Color	1	10	100
489432	Molex	19001-0003	13	Nylon	.187 x .020	22-18	Red	.....	\$.45	\$.39
489723	Molex	19004-0001	13	Nylon	.250 x .032	22-18	Red	.....	.29	.19
489731	Molex	19004-0005	13	Nylon	.250 x .032	16-14	Blue	.....	.29	.19

Printer Circuit Board Male Quick Connect

Part No.	Mfr.	Product No.	Fig.	Material	Size (ins.)	Order in multiples of 10		
						10	100	1000
2150897	AMP	1217056-1	18	Tin/Copper	.250 x .032	.....	\$.12	\$.09
853927	AMP	63824-1	18	Tin/Copper	.250 x .032	.....	.12	.09
2129730	ValuePro	250-D	19	Tin/Copper	.250 x .032	.....	.12	.09
2129756	ARK-LES	3000-H-421AB	20	Tin/Copper	.250 x .032	.....	.12	.09

* Single ** Continuous strip † Dual # Piggyback style-male/female

See page 33 for Solderless Terminal Grab Bag (P/N 2082118).



Solderless Terminal Crimping Tool

- Crimps solderless terminals: 18-22 AWG red, 14-16 AWG blue and 10-12 AWG yellow



Part No.	Mfr.	Part No.	Size	1	10	25
72996	HT303		9.0"L x 2.0"W	.....	\$24.95	\$21.95

Basic, Slide & Binary Switches



OMRON



Super and Subminiature Basic Switches

* Web Code: MBE

- Economical, subminiature basic switch offers long service life
- Free from overtravel restrictions, permits easy setting
- Lead spacing: A = 0.35"; B = 0.29"
- Dimensions: 0.78"L x 0.25"W x 0.40"H



Fig. 1



Fig. 2

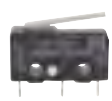


Fig. 3



Fig. 4



Fig. 5

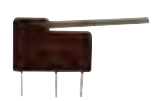


Fig. 6

Part No.	Manufacturer	Mfr. Part No.	Fig.	Actuator Type	Contact Form	Contact Rating	Service Life (Mech./Elec.)	Terminal Type	Pricing		
									1	10	100
2097580	ValuePro	13-03-050ST-EV	1	Straight lever (0.551"L)*	SPDT-NC	3A @ 125VAC, 0.2A @ 60VDC	1M/15k	PCB	\$1.09	\$.99	\$.89
188867	Omron	D2F-L	2	Hinge lever (0.5"L)	SPDT-NC	3A @ 125VAC, 2A @ 30VDC	1M/30k	PCB	1.49	1.35	1.19
2178697	Omron	D2F-L-D	2	Hinge lever (0.5"L)	SPDT-NC	3A @ 125VAC, 2A @ 30VDC	1M/30k	Solder	1.49	1.35	1.19
187709	Omron	SS-5GL	3	Hinge lever (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	1.75	1.59	1.35
187733	Omron	SS-5GL2	4	Hinge roller (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	1.95	1.75	1.59
159599	Highly Electric	SS0505A	4	Hinge roller (0.7"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	1.49	1.35	1.19
187717	Omron	SS-5GL13	5	Simulated roller lever	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	1.25	1.09	.99
2097678	Mountain Switch	61-05-025RR-Q-EV	4	Roller lever (0.571"L)	SPDT-NC	5A @ 125VAC, 5A @ 250VAC	10M/100k	.110" quick connect	1.25	1.09	.99
2100048	Honeywell	311SM8094-H4	6	Straight lever (1.31")**	SPDT	5A @ 250VAC, 5A @ 30VDC	1M/30k	.110" quick connect	.99	.89	.75
2100030	Honeywell	311SM8095-H5	6	Straight lever (1.31")	SPDT	5A @ 250VAC, 5A @ 30VDC	1M/30k	.110" quick connect	.99	.89	.75

*Super subminiature

**Straight lever with flag actuator

* Large Basic Switches — Enter Web Code RBS



OMRON



Miniature Basic Switches

- 3 terminals: common; normally open; normally closed
- Size: 1.10"L x 0.40"W x 0.63"H
- 1945268: Normally open (NO) only



Fig. 1



Fig. 2

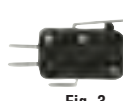


Fig. 3

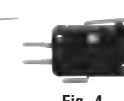


Fig. 4

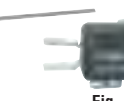


Fig. 5



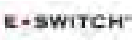
Fig. 6



Fig. 7

* Web Code: UEM

Part No.	Manufacturer	Product No.	Fig.	Actuator Type	Contact Form	Contact Rating	Service Life (Mech./Elec.)	Terminal Type	Pricing		
									1	10	100
1945268	Zippy	VM-5	1	Long lever (2.0"L)	SPST	5A @ 125VAC/250VAC	10M/1M	0.187" quick connect	\$1.49	\$1.25	\$1.09
2076244	Honeywell	V3-23-D8	2	Pin plunger	SPST-NO	5A @ 125VAC	50M/300k	0.183" quick connect	1.75	1.49	1.25
2162804	Mulon	M8-1P1	7	Pin plunger	SPDT	5A @ 250VAC	10M/1M	0.250" quick connect	1.95	1.75	1.49
483284	Cherry	D44CR1RD	6	Hinge lever (1.24"L)	SPDT	10A @ 125VAC/250VAC	6k	0.187" quick connect	3.25	2.95	2.65
187792	Omron	V-10G2-1C24K	3	Hinge lever (1.08"L)	SPDT-NC	0.1A @ 125VDC, 10A @ 250VAC	50M/300k	0.183" quick connect	2.95	2.75	2.59
187805	Omron	V-10G3-1C24K	4	Long hinge lever (2.01"L)	SPDT-NC	0.1A @ 125VDC, 10A @ 250VAC	50M/300k	0.183" quick connect	2.95	2.69	2.49
2117333	ValuePro	VM-05S-03D0-Z	3	Long lever (2.0"L)	SPDT-NC	5A @ 125VAC/250VAC	50M/300k	0.185" quick connect	1.95	1.75	1.49
159572	Highly Electric	VS10N051C	5	Hinge roller (0.60"L)	SPDT-NC	10A @ 125VAC/250VAC	10M/100k	0.250" quick connect	2.95	2.69	2.49
159581	Highly Electric	VS10N021C2	3	Hinge lever (1.05"L)	SPDT-NC	10A @ 125VAC/250VAC	10M/100k	0.183" quick connect	2.49	2.25	1.95



Slide Switches

* Web Code: LAP

- Two mounting flanges
- Top actuation
- 6/6 nylon plastic housing
- Nylon actual
- Phenolic insulated



Fig. 1

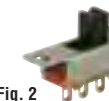


Fig. 2



Fig. 3



Fig. 4

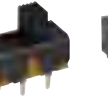


Fig. 5



Fig. 6



Fig. 7



Fig. 8

Part No.	Manufacturer	Product No.	Fig.	Pins	Contact Form	Contact Rating	Dimensions (L" x W" x D")	Lead Spacing		Housing Material	Lead Length	Actuator Height	Pricing		
								A"	B"				1	10	100
588220	C&K Switches	OS102011MA1QN1	1	3	SPDT on-on	0.2A @ 30VDC	.34"L x .17"W x .15"D	—	.08	Metal	.11"	.16"	\$.39	\$.35	\$.29
2132314	E-Switch	EG1206A	1	3	SPDT on-on	0.2A @ 30VDC	.51"L x .22"W x .24"D	—	.12	Metal	.15"	.26"	.39	.35	.25
621325	GC Electronics	35-202-BU	2	3	SPDT on-on	0.3A @ 30VAC	.44"L x .22"W x .18"D	.14	—	Metal	.14"	.16"	2.25	1.95	1.75
2133704	ValuePro	SS12D02	3	3	SPDT on-on	0.3A @ 50VDC	.35"L x .18"W x .18"D	—	.08	Metal	.12"	.15"	.29	.25	.19
109171	ValuePro	G4050X-R	4	3	SPDT on-on	0.5A @ 50VDC	.45"L x .22"W x .23"D	—	.12	Plastic	.17"	.15"	.39	.35	.29
204142	C&K Switches	4102021MLOY	5	3	SPDT on-on	2.0A @ 28VDC	.77"L x .40"W x .37"D	—	.19	Plastic	.19"	.17"	.49	.45	.39
2159613	C&K Switches	OS202011MAOQS1	6	6	DPDT on-on	0.1A @ 12VDC	.32"L x .27"W x .19"D	.10	.08	Metal	.13"	.16"	.59	.55	.49
161817	ValuePro	MS-306-R	7	6	DPDT on-on	0.3A @ 6VDC	.35"L x .14"W x .14"D	.10	.10	Plastic	.14"	.08"	.75	.69	.59
621472	GC Electronics	35-222	8	6	DPDT on-on	6.0A @ 125VAC	.88"L x .53"W x .35"D	.22	.29	Plastic	.25"	.36"	1.25	1.09	.99

JAMECO ValuePro

Binary Coded Decimal (BCD) Switches

* Web Code: QAD

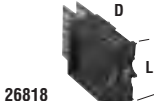
- Contact resistance: 100mΩ max.
- Contacts: gold plated BE-CU alloy
- Front snap-tab mounting w/ end plates
- Continuous load: 1 amp max.
- 28VDC @ 0.15A



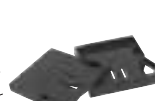
26789 (2 switches shown)



26761 (2 switches shown)



26818 (2 switches shown)



26771

Part No.	Cross Ref. No.	Description	Dimensions (L" x W" x D")	Character Height	Pricing		
					1	10	100
26789	GPF311221	10-position pushbutton	1.2 x 0.3 x 1.7	0.19"	\$4.95	\$4.75	\$4.49
26761	PF31E10	End plates for 26789 (2)	1.2 x 0.2 x 1.1	—	1.25	1.09	.99
26818	GTF311211	10-position thumbwheel	1.2 x 0.3 x 1.9	0.25"	4.95	4.75	4.49
26771	TF31E10	End plate for 26818 (2)	1.2 x 0.2 x 1.3	—	1.25	1.09	.99

Replacement Switches for AT-Style Computer Cases

- Contacts rated at 250VAC

- 174238: PC Pushbutton
- Alternate action double pole switch
- UL/CSA/VDE approved

127028: PC Rocker

- For mini-tower cases
- UL/CSA approved
- DPST



174238



127028

Part No.	Current	Size (L"xW"xD")	1	10	100
174238	8A	0.9 x 0.7 x 0.9	\$2.95	\$2.49	\$1.95
127028	10A	0.9 x 1.2 x 1.4	1.95	1.75	1.49

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

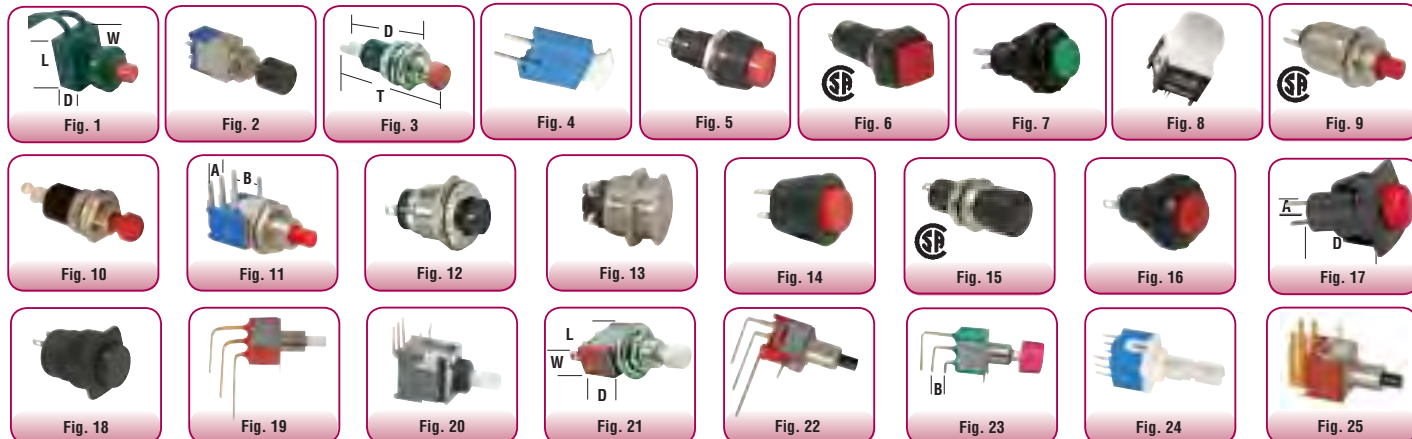
Order by Phone at 1-800-831-4242 or Online at www.Jameco.com





Pushbutton Switches

★ Web Code: UBU



Part No.	Manufacturer	Product No.	Fig.	Pins	Contact Form () Momentary	Contact Rating	Mounting Hole Dia.	Dimension (L" x W" x D")	Lead Spacing		Terminal Type	Button Color	Pricing		
									A"	B"			1	10	100
22200	Judco	J1881	1	2*	SPST on-off, Alt ¹	2A @ 14VDC	.375"	.65 x .52 x .40	.25	—	5" Pigtail	White	\$1.95	\$1.75	\$1.49
315388	ValuePro	PA101A1-R/BL	2	2	SPST on-off	6A @ 125VAC	.250"	1.2 (D) x 1.7 (T)	.185	—	Solder	Red	1.95	1.75	1.49
26649	ValuePro	GPB002-CN	3	2	SPST on-(off)	3A @ 125VAC	.299"	.36 (D) x 1.13 (T)	—	.17	Solder lugs	Black	.75	.65	.59
2161588	Philmore	30-2299B	3	2	SPST on-(off)	3A @ 125VAC	.311"	.62 (D) x 1.13 (T)	.31	—	Solder lugs	Black	1.29	1.19	1.09
164494	ValuePro	DS-450-RED	5	2	SPST off-on	3A @ 125VAC	.406"	.59 (D) x 1.2 (T)	.175	—	Solder	Red	3.49	3.09	2.75
315492	ValuePro	R13-23B-B	6	2	SPST off-on	3A @ 125VAC	.480"	1.13 (D) x 1.53 (T)	.20	—	Solder	Black	1.25	1.09	.95
315484	ValuePro	R13-23B-R	6	2	SPST off-on	3A @ 125VAC	.480"	1.13 (D) x 1.53 (T)	.20	—	Solder	Red	1.25	1.09	.95
315521	ValuePro	R13-23B-Y	6	2	SPST off-on	3A @ 125VAC	.480"	1.38 (D) x 1.53 (T)	.18	—	Solder	Yellow	.99	.89	.79
2155111	NKK Switches	KP0115ANAKG03CF-1SJB	8	5	SPST off-(on)	1A @ 12VDC	.591"	.59 x .59 x .906	.177	—	PC pin	Clear	4.95	4.49	3.95
164566	ValuePro	MS-402-RED	9	2	SPST off-(on)	.5A @ 125VAC	.172"	.60 (D) x .80 (T)	.08	—	Solder	Red	1.95	1.75	1.55
315643	ValuePro	R13-81-R	9	2	SPST off-(on)	.5A @ 125VAC	.203"	.44 (D) x .78 (T)	.08	—	PC terminal	Red	.95	.85	.75
164639	ValuePro	MS3120R	10	2	SPST off-(on)	.5A @ 125VAC	.295"	.31 (D) x 1.1 (T)	.175	—	Solder	Red	1.95	1.75	1.49
71643	ValuePro	SWB210	11	2	SPST off-(on)	1A @ 120VAC	.219"	.36 x .20 x .33	.20	.20	PC right angle	Black	2.95	2.59	2.39
164582	Mountain Switch	DS016B	12	2	SPST off-(on)	1A @ 125VAC	.469"	.46 (D) x .88 (T)	.22	—	Solder	Black	3.69	3.25	2.95
164671	ValuePro	NS801M0	4	2	SPST off-(on)	1A @ 125VAC	.492"	1.0 (D) x 1.1 (T)	.213	—	Solder terminal	Black	1.95	1.75	1.49
2131274	Velleman	R1400A	13	2	SPST off-(on)	2A @ 48VDC	.75"	.87 (D) x 1.2 (T)	.37	—	Screw	Silver	3.95	3.59	3.25
171774	Apem	AV191003C900	13	2	SPST off-(on)	2A @ 48VDC	.750"	.87 (D) x 1.2 (T)	.37	—	Screw	Silver	14.95	13.49	11.95
106112	Mountain Switch	DS-412-RED	14	2	SPST off-(on)	3A @ 110VAC	.734"	.66 (D) x .63 (T)	.275	—	Solder lugs	Red	1.95	1.75	1.59
26623	ValuePro	MS102	3	2	SPST off-(on)	3A @ 125VAC	.250"	.65 (D) x 1.10 (T)	—	.14	Solder lugs	Red	.75	.69	.59
164486	ValuePro	DS-463-RED	5	2	SPST off-(on)	3A @ 125VAC	.406"	.59 (D) x 1.2 (T)	.175	—	Solder	Red	2.49	2.25	1.95
315580	ValuePro	R13-40B-B	15	2	SPST off-(on)	3A @ 125VAC	.480"	.87 (D) x 1.4 (T)	.20	—	Solder	Black	1.49	1.35	1.19
315599	ValuePro	R13-40A-R	15	2	SPST off-(on)	3A @ 125VAC	.480"	.98 (D) x 1.56 (T)	.20	—	Solder	Red	1.49	1.35	1.19
315432	ValuePro	R13-23A-R	6	2	SPST off-(on)	3A @ 125VAC	.480"	1.13 (D) x 1.53 (T)	.20	—	Solder	Red	1.09	.95	.85
315651	ValuePro	R13-502A-05-BB	7	2	SPST off-(on)	3A @ 125VAC	.500"	.82 (D) x 1.02 (T)	.23	—	Solder	Black	1.95	1.75	1.49
315678	ValuePro	R13-502A-05-BG	7	2	SPST off-(on)	3A @ 125VAC	.500"	.82 (D) x 1.02 (T)	.20	—	Solder	Green	1.75	1.49	1.25
315660	ValuePro	R13-502A-05-BR	16	2	SPST off-(on)	3A @ 125VAC	.500"	.82 (D) x 1.02 (T)	.22	—	Solder	Red	1.75	1.49	1.25
174414	ValuePro	R13-510A	17	2	SPST off-(on)	3A @ 125VAC	.500"	.82 (D) x 1.0 (T)	—	.167	Solder lugs	Red	.95	.85	.75
315820	ValuePro	R13-508AL-05-BRR	18	4	SPST off-(on)	3A @ 125VAC	.630"	.93 (D) x 1.14 (T)	.21	.25	Solder w/ LED	Red	2.49	2.25	1.95
2160737	ValuePro	R13-508A-05-RB	18	2	SPST off-(on)	3A @ 125VAC	.630"	.94 (D) x 1.16 (T)	.24	—	Solder	Red	2.49	2.25	1.95
315791	ValuePro	R13-508A-05-BB	18	2	SPST off-(on)	3A @ 125VAC	.630"	.94 (D) x 1.16 (T)	.24	—	Solder	Black	2.49	2.25	1.95
22218	Judco	J1882	1	2*	SPST off-(on)	4A @ 14V	.375"	.65 x .52 x .40	.25	—	5" Pigtail	Red	1.39	1.25	1.09
2125771	C&K Switch	8125-SD9AV1BR	19	3	SPDT on-(off)	.02A @ 20VAC/DC	.250"	.50 x .27 x .38	—	.10	Solder right angle	White	.99	.89	.79
200774	ValuePro	TP12SH8AQE	20	3	SPDT off-(on)	1A @ 120VAC	.219"	.32 x .20 x .33	.20	.10	PC right angle	Black	2.49	2.25	1.95
72645	AlcoSwitch	TPC11FGR2	11	3	SPDT off-(on)	1A @ 125VAC	.203"	.32 x .26 x .37	.20	.20	PC right angle	Red	1.19	.99	.89
121305	ValuePro	GPB006-WH	21	3	SPDT on-(on)	1A @ 120VAC	.250"	.52 x .27 x .38	—	.185	Solder lugs	White	3.75	3.49	3.15
2159592	E-Switch	800-SP8-B7-M7-Q-E	21	3	SPDT on-(on)	3A @ 120VAC	.240"	.20 x .34 x .32	.10	—	PC right angle	Black	3.79	3.39	2.95
28063	ValuePro	PB126	21	3	SPDT on-(on)	5A @ 120VAC	.250"	.52 x .28 x .38	—	.185	Solder lugs	Red	3.75	3.49	3.15
154878	Eaton Corp.	PS11-123	23	3	SPDT on-(on)	5A @ 125VAC	.250"	.50 x .27 x .37	—	.14	Solder right angle	Red	1.09	.99	.85
594718	C&K Switch	PVA2EEH21.7N	24	6	DPDT on-(on)	1A @ 32VDC	—	.36 x .36 x .43	.24	.10	PC pin	White	1.25	1.09	.99
2159605	C&K Switch	TP21SH9ABE	25	4	DPST off-(on)	1A @ 120VAC	.187"	.32 x .32 x .38	.20	.10	PC right angle	Black	6.95	5.95	4.95

* Lead wires 1 Alt = alternate action \$ Illuminated: red/green

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Subminiature & Miniature Toggle Switches



JAMECO ValuePro

Subminiature Toggle Switches

- Mounting hole diameter: 7/32 (.21")
- Thread: 10-48 UNS
- Round lever
- Pre-tinned leads
- Metal construction

Includes: Mounting hardware

Fig. 1

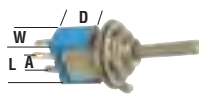


Fig. 2



Fig. 3

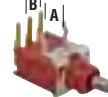


Fig. 4



*Web Code: NAN

Part No.	Manufacturer	Product No.	Fig.	Pins	Contact Form () Momentary	Contact Rating	Dimensions (L" x W" x D")	Lead Spacing			Terminal Type	Pricing		
								A"	B"	C"		1	10	100
72161	ValuePro	SW1501	1	2	SPST on-off	5A @ 125VAC & 2A @ 250VAC	.33 x .21 x .33	.10	—	—	Solder lugs	\$1.49	\$1.35	\$1.19
2121199	ValuePro	DS-41T1B1A1	1	3	SPST on-off	3A @ 125VAC & 1.5A @ 250VAC	.33 x .21 x .33	.10	.10	—	Solder lugs	1.65	1.49	1.35
567752	Fujisoku	AT1D-6M3	2	3	SPDT on-on	0.05A @ 48VDC/VAC	.37 x .22 x .33	.30	.10	—	PC right angle	.99	.89	.75
106067	ValuePro	SWP124	2	3	SPDT on-on	0.4VA max.	.25 x .33 x .40	.20	.10	—	PC right angle	1.99	1.79	1.59
75969	ValuePro	SWM136	1	3	SPDT on-on	3A @ 125VAC & 1.5A @ 250VAC	.33 x .21 x .33	.10	—	—	Solder lugs	1.85	1.69	1.49
72557	ValuePro	GTS304	1	3	SPDT on-off-on	1.5A @ 250VDC	.32 x .20 x .28	.10	—	—	Solder lugs	1.49	1.35	1.19
2076228	C&K (sealed)	ET05J6ABE	3	3	SPDT (on)-off-(on)	0.4VA @ 20VDC/VAC	.32 x .32 x .20	.20	.10	—	PC right angle	.45	.39	.35
75977	ValuePro	SWM137	4	6	DPDT on-on	3A @ 125VAC	.33 x .37 x .33	.17	.10	—	Solder lugs	1.95	1.75	1.59
138907	ValuePro	SW1503	4	6	DPDT on-off-on	3A @ 125VAC & 1.5A @ 250VAC	.36 x .37 x .33	.17	.10	—	Solder lugs	1.75	1.49	1.25



Alcoswitch

JAMECO ValuePro

Miniature Toggle Switches

- Mounting hole dia.: 1/4"
- Thread: 1/4-40 UNS-2B
- Waterproof boot seals (pg NM)

Includes: Mounting hardware



Fig. 1



Fig. 2

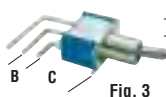


Fig. 3



Fig. 4



Fig. 5

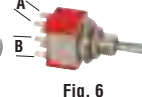


Fig. 6



Fig. 7



Fig. 8

(PC straight or right angle)

(PC or solder lug)

*Web Code: PAJ

Part No.	Mfr.	Product No.	Fig.	Pins	Contact Form () Momentary	Contact Rating (A @ VAC)	Dimensions (L" x W" x D")	Lead Spacing			Terminal Type	Lever Type	Pricing		
								A"	B"	C"			1	10	100
2135478	JVP	T100T1B4A2	3	2	SPST on-off	5 @ 120 & 2 @ 250	.50 x .28 x .35	—	0.190	—	PC straight	Round	\$1.49	\$1.39	\$1.25
317228	JVP	1MS9T1B1M1QE	1	2	SPST on-off	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.190	—	Solder lugs	Round	1.95	1.75	1.59
317287	JVP	1MS9T6B11M1QE	2	2	SPST on-off	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.49	1.35	1.19
76523	JVP	JMT113	1	2	SPST on-off	5 @ 125 & 2 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.49	1.39	1.25
2159584	ALC	AE101SDIV30B	7	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .26 x .40	—	0.185	—	PC straight	Round	2.49	2.25	1.95
2135486	JVP	T101T1B4A2	2	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .28 x .35	—	0.190	—	PC straight	Round	1.95	1.75	1.55
317236	JVP	1MS1T1B1M1QE	1	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	1.39	1.25	1.09
2135857	JVP	GTS103	1	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .28 x .35	—	0.185	—	Solder lugs	Round	1.25	1.09	.95
2151179	C&K	7101SHZ3BE	2	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	PC straight	Round	1.95	1.75	1.55
317295	JVP	1MS1T6B11M1QE	2	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.75	1.49	1.25
22833	JVP	MS102F1-R	2	3	SPDT on-on	5 @ 125 & 2 @ 250	.52 x .28 x .36	—	0.185	—	Solder lugs	Flat	1.75	1.55	1.35
71597	JVP	MTS-102-C4	3	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.133	0.51	PC right angle	Round	1.25	1.09	.99
75854	JVP	T101T1B1A1QN	1	3	SPDT on-on	5 @ 120 & 2 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.75	1.55	1.35
2171250	PHL	30-10002B	1	3	SPDT on-on	5 @ 120 & 2 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	2.95	2.59	2.25
75871	JVP	SWM145	3	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	0.20	PC right angle	Round	1.65	1.49	1.35
26332	JVP	MPC123R	4	3	SPDT on-on	5 @ 120 & 2 @ 250	.52 x .32 x .37	—	0.185	—	PC straight	Round	1.99	1.79	1.59
21936	JVP	JMT123 (blue)	1	3	SPDT on-on	5 @ 120 & 2 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.75	1.55	1.35
317332	JVP	1MS2T6B11M1QE	2	3	SPDT on-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.75	1.55	1.35
317244	JVP	1MS3T1B1M1QE	1	3	SPDT on-off-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	1.75	1.59	1.39
317308	JVP	1MS3T6B11M1QE	2	3	SPDT on-off-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.75	1.59	1.39
21910	JVP	JMT121	1	3	SPDT on-off-on	5 @ 120 & 2 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.49	1.35	1.25
26315	JVP	MPC121	4	3	SPDT on-off-on	5 @ 125 & 2 @ 250	.52 x .32 x .37	—	0.185	—	PC straight	Round	1.65	1.49	1.35
317261	JVP	1MS5T1B1M1QE	1	3	SPDT on-off-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	1.49	1.25	1.09
317252	JVP	1MS4T1B1M1QE	1	3	SPDT (on)-off-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	1.75	1.49	1.25
317316	JVP	1MS4T6B11M1QE	2	3	SPDT (on)-off-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.75	1.59	1.39
2145174	JVP	T104T1A2QN	4	3	SPDT (on)-off-(on)	5 @ 125 & 2 @ 250	.50 x .27 x .35	—	0.185	—	PC straight	Round	1.75	1.59	1.39
75889	JVP	SWM129	1	3	SPDT (on)-off-(on)	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.75	1.59	1.39
570581	C&K	7201MD9ABE	8	6	DPDT on-on	5 @ 120 & 2 @ 250	.50 x .36 x .45	0.17	0.185	—	PC right angle	Round	2.49	2.25	1.95
317472	JVP	1MD1T6B11M1QE	5	6	DPDT on-on	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Flat	1.95	1.75	1.49
21979	JVP	T201T1B1A1QN	6	6	DPDT on-on	5 @ 120 & 2 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	1.75	1.49	1.25
26367	JVP	GTS112-P	6	6	DPDT on-on	5 @ 120 & 3 @ 250	.52 x .50 x .41	0.20	0.157	—	PC straight	Round	1.65	1.49	1.35
22859	JVP	GTS172BLK	5	6	DPDT on-on	5 @ 120 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Flat	1.95	1.75	1.55
26358	JVP	MPC221	6	6	DPDT on-off-on	5 @ 120 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	PC straight	Round	1.95	1.75	1.49
21952	JVP	GTS114	6	6	DPDT on-off-on	5 @ 120 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	1.95	1.75	1.49
22841	JVP	GTS164BLK	5	6	DPDT on-off-on	5 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Flat	1.75	1.49	1.25
620576	GCE	35-009	6	6	DPDT on-on-on	5 @ 120 & 2 @ 250	.50 x .45 x .40	0.23	0.150	—	Solder lugs	Round	3.95	3.59	3.19
317498	JVP	1MD4T6B11M1QE	5	6	DPDT (on)-off-(on)	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Flat	1.95	1.75	1.59
75951	JVP	SWM130	6	6	DPDT (on)-off-(on)	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	1.95	1.75	1.49
2135304	C&K	7301SYCB5ER	6	9	3PDT on-on	5 @ 120 & 2 @ 250	.70 x .50 x .40	0.23	0.150	—	PC straight	Round	6.95	5.95	4.95

* ALC = Alcoswitch | C&K = C&K Switches | GCE = GC Electronics | JVP = Jameco ValuePro | PHL = Philmore

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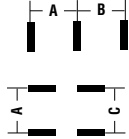
Toggle Switches, Switch Covers & Rocker Switches

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN

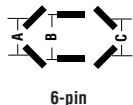


Standard Toggle Switches

- Mounting hole dia.: 1/2"
- Thread: 15/32-32
- Waterproof boot seals (below)



3-pin



6-pin



Fig. 1



Fig. 2

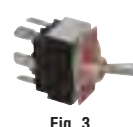


Fig. 3



Fig. 4



Fig. 5



* Web Code: NAJ

Part No.	Manufacturer	Product No.	Fig.	Pins	Contact Form	Contact Rating (A @ VAC)	Dimensions (L" x W" x D")	Lead Spacing			Terminal Type	Lever Type	Pricing		
								A"	B"	C"			1	10	100
76241	ValuePro	SWM128	1	2	SPST on-off	4 @ 125 & 2 @ 250	1.00 x .56 x .52	.23	—	—	Solder lugs	Round	\$1.95	\$1.75	\$1.49
76232	ValuePro	SWM125	2	2	SPST on-off	6 @ 125 & 3 @ 250	1.00 x .53 x .51	.23	—	—	6" lead wire	Round	2.35	2.19	1.89
2126192	Philmore	30-350B	2	2	SPST on-off	8 @ 125 & 4 @ 250	1.00 x .64 x .33	.23	—	—	6" lead wire	Round	2.49	2.25	1.95
317825	ValuePro	R13-25A2-01	3	2	SPST on-off	10 @ 125 & 6 @ 250	1.14 x .59 x .62	.38	.38	—	.250" quick connect	Round	2.75	2.49	2.19
318027	ValuePro	R13-28A-06	3	2	SPST on-off	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	M3 screw	Round	1.95	1.75	1.49
318002	ValuePro	R13-28A-01	3	2	SPST on-off	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	.250" quick connect	Round	2.75	2.49	2.19
621499	GC Electronics	35-3005	4	2	SPST on-off	20 @ 125 & 10 @ 250	.92 x .64 x .40	—	.47	—	.250" quick connect	Round	3.49	3.25	2.95
318123	ValuePro	R13-28D-01	3	3	SPDT on-off-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	.250" quick connect	Round	2.39	2.19	1.89
318141	ValuePro	R13-28D-06	3	3	SPDT on-off-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	M3 screw	Round	3.95	3.59	3.19
158060	ValuePro	JKN32	1	4	DPST on-off	4 @ 125 & 2 @ 250	1.00 x .56 x .52	.23	—	.23	Solder lugs	Round	1.29	1.15	1.05
76260	ValuePro	SWM126	1	6	DPDT on-off	5 @ 125 & 3 @ 250	1.10 x .77 x .60	.30	.60	.30	Solder lugs	Round	1.95	1.75	1.59
158078	ValuePro	JKN3CC	1	6	DPDT on-on	10 @ 125 & 6 @ 250	1.19 x .76 x .73	.44	.59	.44	Screw lugs	Round	1.49	1.35	1.25
317850	ValuePro	R13-25B1-05	5	6	DPDT on-on	10 @ 125 & 6 @ 250	1.14 x .79 x .62	.40	.40	.40	Solder lugs	Flat	1.95	1.75	1.59
318043	ValuePro	R13-28B-01	3	6	DPDT on-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	.250" quick connect	Round	3.75	3.25	2.95
567761	ValuePro	T-1224	3	6	DPDT on-off-on	10 @ 125 & 5 @ 250	1.18 x .77 x .75	.40	.60	.40	M3 screw	Round	4.49	3.95	3.59
317922	ValuePro	R13-25E1-05	5	6	DPDT on-off-on	10 @ 125 & 6 @ 250	1.14 x .59 x .62	.38	.38	—	Solder lugs	Flat	2.95	2.59	2.39
2170206	ValuePro	MTS-402	4	12	4PDT on-on	6 @ 125 & 2 @ 250	0.90 x .52 x .48	.17	.17	.17	Solder lugs	Round	2.49	2.25	1.95



Protective and Waterproof Boot Seal Switch Covers

- Full protection from water, oil, sand, dust, dirt, humidity, moisture and other contaminants • IP68 rated
- Applications: aerospace, automotive, computer and electronic equipment



2126580



2150184
(Switch not included)



2150192

* Web Code: SBS

Part No.	Manufacturer	Product No.	Description	Dimensions	1	10	100
2150184	Zago	TH 605-GY	Toggle switch boot seal, gray, 1/4-40, fits miniature toggle switches (pg 69)	0.375" OD x 0.071" ID x 0.500"D	\$1.95	\$1.75	\$1.49
2150192	Zago	TH 606-GY	Toggle switch boot seal, gray, 15/32-32, fits standard toggle switches (above)	0.625" OD x 0.209" ID x 0.890"H	1.95	1.75	1.49
2126580	ValuePro	WB-A7A	Toggle switch boot seal, black, 15/32-32, fits standard toggle switches (above)	0.324" OD x 0.226" ID x 0.978"H	2.25	1.95	1.75



Standard Appliance Panel Mount Rocker Switches



* Web Code: VBU



Part No.	Mfr.	Product No.	Pins	Contact Form () Momentary	Contact Rating (A @ VAC)	Dimensions (L" x W" x D")	Lead Space		Rocker Color	Terminal Type	Pricing		
							A"	B"			1	10	100
2172738	JVP	1901	2	SPST on-off	4 @ 125 & 6 @ 250	.74 x .26 x .61	.37	—	Black	PCB solder	\$1.49	\$1.19	\$.95
316048	JVP	R13-66B-G-02	3	SPST on-off	9 @ 125 & 6 @ 250	.83 x .59 x .47	.31	.31	Green illum.	.187" quick connect	1.35	1.25	1.19
316128	JVP	R13-73B-R-02	3	SPST on-off	9 @ 125 & 6 @ 250	.83 x .59 x .87	.35	.35	Red illum.	.187" quick connect	1.65	1.49	1.35
316136	JVP	R13-73B-Y-02	3	SPST on-off	9 @ 125 & 6 @ 250	.83 x .59 x .87	.35	.35	Yellow illum.	.187" quick connect	.99	.89	.79
1945276	PRO	BR-12A-55S	2	SPST on-off	10 @ 125 & 5 @ 250	.83 x .59 x .59	.31	—	Light gray	5.5" wire leads	.39	.29	.25
316451	PRO	R13-243A-02	2	SPST on-off	10 @ 125 & 6 @ 250	.83 x .37 x .85	.35	—	Black	.187" quick connect	.95	.85	.75
2120196	JVP	HF-606	2	SPST on-off	10 @ 125 & 6 @ 250	.83 x .59 x .55	.27	—	Black	.187" quick connect	.99	.89	.79
1945284	PRO	R13-66	2	SPST on-off	10 @ 125 & 6 @ 250	.83 x .59 x .55	.31	—	Dark gray	5.5" wire leads	.49	.39	.29
577221	CHY	RRA22H3BBNN	2	SPST on-off	12 @ 125 & 10 @ 250	.69 x .51 x .64	.35	—	Black	.187" quick connect	.99	.89	.79
316022	JVP	R13-66A-R-02	2	SPST on-off	15 @ 125 & 8 @ 250	.83 x .59 x .63	.31	—	Red	.187" quick connect	.99	.89	.79
316014	JVP	R13-66A-B-02	2	SPST on-off	16 @ 125 & 10 @ 250	.83 x .59 x .63	.31	—	Black	.187" quick connect	.99	.89	.79
2126205	PHL	30-600B	2	SPST on-off	20 @ 125 & 10 @ 250	1.70 x .97 x .70	.25	—	Black	.250" quick connect	2.25	1.95	1.75
196154	JVP	R30NSA-B/B	2	SPST on-off	20 @ 125 & 16 @ 250	1.07 x .42 x .77	.45	—	Black	.250" quick connect	.99	.89	.79
1945241	ITW	163-099-029	3	SPDT	16 @ 125 & 12 @ 250	1.2 x .55 x .59	.26	.26	Black	.250" quick connect	.39	.35	.25
2172691	DIA	570-11	3	SPDT on-on	.002 @ 20	.49 x .27 x .37	.19	.19	Orange	.08" solder	4.95	4.49	3.95
316072	JVP	R13-66D-02	3	SPDT on-off-on	16 @ 125 & 10 @ 250	.83 x .59 x .47	.31	.31	Black	.187" quick connect	.99	.89	.79
617473	GCE	35-695	3	SPDT (on)-off-(on)	16 @ 125 & 16 @ 250	.93 x .43 x .62	.34	.56	Black	.250" quick connect	4.49	3.95	3.59
316111	JVP	R13-73A2-B-02	4	DPST on-off	9 @ 125 & 6 @ 250	.83 x .59 x .68	.20	.34	Black	.187" quick connect	1.49	1.35	1.19
316153	JVP	R13-73C-R-02	4	DPST on-off	10 @ 125 & 6 @ 250	.83 x .59 x .87	.20	.34	Red illum.	.187" quick connect	1.49	1.35	1.19
2158522	JVP	GP1231100M00	4	DPDT on-off	10 @ 125 & 8 @ 250	.83 x .59 x .63	.20	.34	Black	.187" quick connect	1.39	1.25	1.09

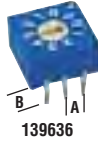
* CHY = Cherry | DIA = Dialight | GCE = GC Electronics | JVP = Jameco ValuePro | ITW = Illinois Tool | PHL = Philmore | PRO = Pronic Electronic

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Rotary, DIP & Keylock Switches

Rotary DIP Switches

- Gold plated contacts to ensure reliable, low resistance connection
- Fully sealed construction
- Terminals: PC pin leads
- Life: 10,000 cycles min.
- Op. force: 500g-cm max.
- Lead spacing: A = 0.1"; B = 0.3"
- Size: .39"W x .39"D x .20"H
- Material: UL94V-0 grade
- Top adjustment
- Max. switching load rating: 25mA @ 24VDC



★ Web Code: UAX

Part No.	Mfr. Part No.	Type	Pos.	1	10
139636	ERD110RSZ	BCD	10	\$2.89	\$2.59
139652	ERD116RSZ	HEX	16	2.95	2.65

JAMECO ValuePro

Standard, Low Profile, Piano & Right Angle DIP Switches



696950 (Standard)



38842 (Standard)



696917 (Standard)



2082484 (Standard)



139003 (Low Profile)



139012 (Low Profile)



2076156 (Right Angle)

AMP



Compatible Socket Chart, see page 13 for Sockets

Switch	Socket	Switch	Socket
2-position	112193	7-position	112214
3-position	112193	8-position	112222
4-position	112206	9-position	112231
5-position	112214	10-position	38608
6-position	112214	12-position	112282

• Switch contacts: SPST (except P/N 2122781 – DPST)

• Piano switches have raised lever

★ Web Code: UCY

Series 94H Rotary DIP Switch

- Make and break rating: 30mA @ 30VDC
- Carrying current rating: 100mA @ 30VDC
- Contact resistance: 50Ω max.
- Dielectric strength: 500VAC RMS (initial)
- Insulation resistance: 5000MΩ min (initial)
- Mechanical life: 10,000 cycles of operation
- Contact material and plating: copper alloy plated, 30μ" gold over 50μ" nickel
- Contact terminals: copper alloy plated, 100μ" tin/lead over 50μ" nickel



473457

473457: 0.270" actuator height SMT
473351: flush actuator type, right angle thru hole

Part No.	Mfr. Part No.	Type	Pos.	1	10
473457	94HBB10WT	BCD	10	\$2.49	\$2.25
473351	94HAB16RA	HEX	16	2.49	2.25

JAMECO ValuePro Rotary Switches

- Contact rating: 30VDC @ 0.3A; except P/N 2170353: 125VAC @ 0.3A
- Insulation resistance: 10MΩ min.
- Mounting hole diameter: 3/8"; except P/N 2170353: 0.345"
- Contact resistance: 30mΩ
- Material: solid brass bushings, slotted aluminum shafts (except for P/N 2170353: D-type); round, plated frame, plastic contact wafer (except for P/N 2170353: Phenolic casing)
- Layers: 1
- Make before break; except P/N 2170353: break before make
- Solder eyelet lugs
- Shaft size: 0.46"L x 0.25" Dia.; except P/N 2170353: 0.34"L x 0.25" Dia.
- Lug size: 0.07"
- Panel mount
- P/N 2170353 size 0.32"L x 0.25" Dia.



101574

Includes: Washer and nut

Part No.	Product No.	Poles	Pos.	1	10	100
101532	G3SR026	2	12	\$1.25	\$1.09	\$0.95
2170353	105-SR2511F-25FN	2	5	1.95	1.75	1.49
101574	G3SR022	2	6	1.25	1.09	.95
101566	G3SR023	3	4	1.25	1.09	.95
101558	G3SR024	4	3	1.25	1.09	.95

Rotary Switch

- 1 to 4 poles
- No stop option
- 1 to 12 positions
- Operating force: 8.6 N/cm
- Insulation resistance: 100MΩ
- Rating: 350mA @ 125VAC; 150mA @ 250VAC



NEW MARKED IN PINK

Part No.	Product No.	1	10	100
2167322	KC52A13.00NPS	\$2.95	\$2.59	\$1.95

A Series Rotary Switches

- 30° index flatted actuator, 3/8-32 threaded mounting style
- Solder lug or PC thru-hole termination
- Dielectric strength: 1000Vrms
- 15,000 make & break cycles
- Contact resistance: 20mΩ typical @ 2-4VDC
- Contact rating: 2.5A @ 125VAC; 350mA @ 250VDC
- Contact and terminals: brass, silver plated
- Housing/actuator: glass filled 6/6 nylon (UL94V-0)

576501

Part No.	Mfr. Part No.	Poles	Pos.	Act. Ht.	1	10
576501	A11215RNZQ	1	12	1.5"	\$5.49	\$4.95
576421	A20615RNZQ	2	6	1.5"	5.49	4.95
2132234	A30403RNCBE	3	4	0.375"	2.95	2.75

Round Keylock Switches

- Used in computer and other security systems
- Mounting hole = 0.75" (except P/N 106650 = 0.5")
- Key removable from 2 positions
- Two keys

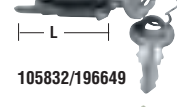
NEW MARKED IN PINK

★ Web Code: RAN

105832: All keys are different;
196649: All keys are alike
Includes: Mounting nut
2167701: Key removable in 1 position, .577" mounting hole; DPDT
2167710: Key removable in 4 position, .732" mounting hole; SP4T
2172025: key removable in 4 position, .413" mounting hole; SPDT

Part No.	*Mfr.	Product No.	No. Flat, Dia.	Length	Terminal	Voltage/Current	1	10	100
106650	JVP	KS4B	2, 0.21"	0.55"	Barrel	125VAC/3A	\$5.49	\$4.95	\$4.49
105832	JVP	KS3B	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	5.49	4.95	4.49
196649	JVP	3313E-M	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	5.95	5.49	4.95
2167701	JVP	31-295-025D	1, 0.574"	1.42"	0.126" solder, quick conn.	250VAC/5A	6.95	6.25	5.49
2167710	LOR	KC77362	4, 1.1"	1.42"	Solder	110VAC/35A	6.95	6.25	5.49
2172025	JVP	S116-1	1, 0.42"	1.20"	Solder	125VAC/1A	4.95	4.49	3.95

106650



2167701



2167710

* ALC = Alcoswitch | AMP = AMP/Tyco | BNS = Bourns | C&K = C&K Switches | GRY = Grayhill | JVP = Jameco ValuePro | LOR = Lorlin Electronics | OMN = Omron

* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

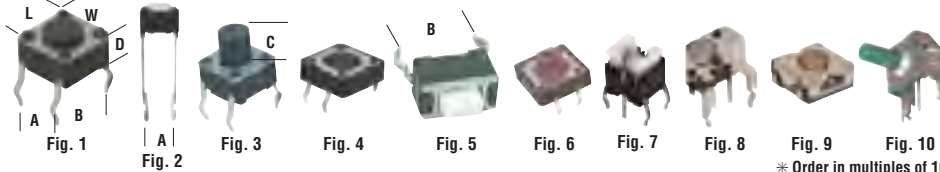
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Tactile, Cord & Speciality Switches

OMRON C&K Tactile Switches

• Bounce time: 10 msec. • SPST momentary ON • Lead type: PC • Contact resistance: 100mΩ



*Web Code: QBF

Part No.	Mfr.	Product No.	Fig.	Pins	Dimensions (ins.)				Lead Spacing		Contact Rating (mA @ VDC)	Button Color	Pricing		
					L	W	D	C	A"	B"			1	10	100
1586074	PAN	EVQ-PAG04K	1	4	.24	.24	.14	.05	.17	.26	20 @ 12	Black	\$.35	\$.29	\$.25
199726	PAN	EVQ11A04M	2	2	.24	.24	.14	.03	.20	.17	20 @ 15	White	.39	.35	.29
2095120	PAN	EVQ11L07K	2	2	.24	.24	.14	.11	.20	—	20 @ 15	Black	.39	.35	.29
119011	JVP	KT11B1CM	1	4	.24	.24	.15	.03	.17	.25	20 @ 15	Black	.35	.29	.25
149948	JVP	KT11P4CM	3	4	.24	.24	.15	.13	.17	.25	20 @ 15	Black	.35	.29	.25
122973	JVP	DTS1212	4	4	.47	.47	.18	—	.20	.50	20 @ 15	Black	.39	.35	.29
155249	JVP	KRS-3550-BK	5	2	.24	.14	.15	—	—	.27	50 @ 12	Brown	.39	.35	.29
2162791	ALP	SKHLAA010	5	2	.24	.14	.14	.06	—	.26	50 @ 12	Black	.35	.29	.25
155256	JVP	KRS-3550-WH	5	2	.24	.14	.15	.03	—	.26	50 @ 12	White	.39	.35	.29
153252	JVP	SDT620K	1	4	.24	.24	.15	.06	.17	.25	50 @ 12	Black	.35	.29	.25
155380	JVP	KRS-1273B	6	4	.47	.47	.14	.14	.17	.53	50 @ 12	Brown	.45	.39	.35
153251	ESW	TL1105-A	1	4	.24	.24	.15	.06	.17	.25	50 @ 12	Black	.29	.25	.19
202956	JVP	KSM06330	7	2	.24	.24	.15	.38	.11	.18	50 @ 24	Red	*	.09	.08
162886	OMN	B3F-1000	1	4	.24	.24	.13	.03	.17	.25	50 @ 24	White	.39	.35	.29
1953575	OMN	B3F-3122	8	4	.29	.29	.25	.06	.17	.28	50 @ 24	Gray	.35	.29	.25
2076261	OMN	B3E-1100-Red*	7	4	.24	.24	.19	.07	.17	.25	50 @ 24	Red	*	.19	.15
2076287	OMN	B3E-1300-Green*	7	4	.24	.24	.19	.07	.17	.25	50 @ 24	Green	*	.19	.15
2076252	ITT	KSC121JB	9	4	.24	.24	.10	—	.15	.26	50 @ 32	Gray	*	.07	.05
587180	C&K	KSLOV311	10	4	.37	.32	.24	.22	.20	.30	50 @ 50	Green	.59	.55	.49
2076148	JVP	KFC-A12-A	1	4	.47	.47	.15	.08	.17	.50	100 @ 50	Black	.35	.29	.25

* Illuminated ♦ See switch cap below

Tactile Switch Caps



Order in multiples of 10

Part No.	Mfr.	Cross Ref. No.	Description	Dimensions	Material	For Use With	10	100	1000
155389	JVP	KRS-CAP-A	Square	.47"L x .47"W x .16"H	Plastic	P/N 155380	\$.15	\$.12	\$.09
155409	JVP	KRS-CAP-B	Round	.50"Dia. x .25"H	Plastic	P/N 155380	.19	.15	.12

Switchcraft Cord-Switch®

- Maximum cable diameter: .375"
- Contact form: SPDT off-(on)
- Plastic insulation
- 1-C switching circuit
- Die-cast zinc plated housing
- Button color: red
- Copper alloy plated switch body and insert bushing

*Web Code: CSH

Part No.	Mfr. Part No.	1	10	50
297502	ED903	\$15.95	\$14.49	\$12.95

GC Inline Cord Switch

- Contact form: SPST on-off
- Terminal: solder
- Contact rating: 6A @ 120VAC
- Black plastic body
- Rocker actuator

*Web Code: CSH

Part No.	Mfr. Part No.	1	10	100
621270	35-1851-BU	\$3.75	\$3.49	\$3.25

Jameco ValuePro Magnetic Reed Switches

- NO (normally open)
- Contact form: SPST

Part No.	Cross Ref. No.	Contact Rating	Size (L" x D")	Type	1	10	100
171872	MKA14103	0.5A @ 100VDC	0.53 x 0.1	Axial	\$.99	\$.89	\$.79
1951342	MKC-27103	1.0A @ 220VDC	2.24 x 0.1	Axial	1.89	1.69	1.49

GC Magnetic Proximity Switches

- Current rating:
0.5A @ 20VAC/VDC; 0.08A @ 120VAC,
P/N 588182/588131: 30VAC @ .3A

Part No.	Mfr.	Mfr. Part No.	Contact Form	Actuator	Terminal Type	1	10	100
617529	GCE	35-752	SPDT NO/NC	Use magnet	Leaded SD	\$9.95	\$8.95	\$7.95
617545	GCE	35-756	SPDT NO/NC w/o magnet	Need magnet	Screw term., 1/4" gap, surface mount	6.25	5.59	4.95
588182	C&K	MPS9WGW	SPST NO	Use magnet	Lead wires, 22AWG, 12"L	5.95	5.49	4.95
588131	C&K	MPS45WGW	SPST NO	Use magnet	Lead wires, 22AWG, 12"L	5.95	5.49	4.95

* ALP = ALPS Electric | C&K = C&K Switches | ESW = E-Switch Inc. | GCE = GC Electronics | ITT = ITT Cannon | JVP = Jameco ValuePro | OMN = Omron | PAN = Panasonic

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN

Bourns® 12mm Incremental Encoder

- Contact rating: 1mA @ 5VDC
- RPM (operating): 100 max.
- Switch type: contact push ON momentary SPST
- Output: 2-bit gray code
- Closed circuit resistance: 3Ω max.
- PC horizontal/rear facing, 24 detents, 25mm shaft length, insulated shaft, 24 pulses per 360° rotation

Part No.	Mfr. Part No.	1	10	100
776386	PEC12-4225F-N0024	\$1.19	\$1.09	\$0.99

Temperature Switch

- SPST-NC (Normally-Closed)
- Contact current: 5A
- PCB mount
- Contact voltage: 120V
- 1.64"L leads
- Operational life: 100,000 cycles
- Contact resistance: 50mΩ or less
- Temp.: 75°C (167°F)
- UL/CSA approved

Part No.	Mfr. Part No.	1	10	100
159636	7AM-202A	\$.79	\$.69	\$.59

Capacitive Touch Switch

- 1.7μA @ 1.8V to 80μA @ 5V
- Auto calibrate on power up for panel/overlay thickness (up to 0.4")
- No moving parts, can be mounted behind wood, plastic, glass, fabric, etc.
- Use for kiosk control panel, interactive art, industrial control panel or props

Part No.	Mfr. Part No.	Size	1	5
2135806	RK-150	2" x 2"	\$11.95	\$10.95

Jameco ValuePro Voltage Selector Switch

- Type SWZ 6-position, panel mount
- Series – parallel connection
- Combination solder and quick disconnect terminals
- Contact resistance: <10mΩ
- UL rated 10A @ 250V, and CSA rated 6.3A @ 250V
- Insulation resistance: 10MΩ @ 500VDC/1 min.

Part No.	Cross Ref. No.	1	10	100
2154943	0033.3504	\$9.95	\$8.95	\$7.95

Centrifugal Force Switch

- Contact rating: 0.4VA (max.) @ 20VAC or 20VDC
- Normally open (NO)
- Triggers @ 1.5g (min.) to 5g
- Dielectric strength: 500VDC min. for 1 min.
- Insulation resistance: 1000MΩ (min.)
- Life: 100,000 cycles (typical)
- Applications: rotational devices, tire centrifugal force detection, direction or axis motion, motion control

Part No.	Mfr. Part No.	1	10	100
2126563	RV-RUG-00-000-BB	\$1.25	\$.99	\$.89

Cabot Adjustable Timer Module

Adjustable from 1 sec to 3 mins.

- Maximum rating: 12VDC @ 5A
- Reserve polarity protection

Part No.	Mfr. Part No.	1	5
2171292	THR-300	\$19.95	\$18.95

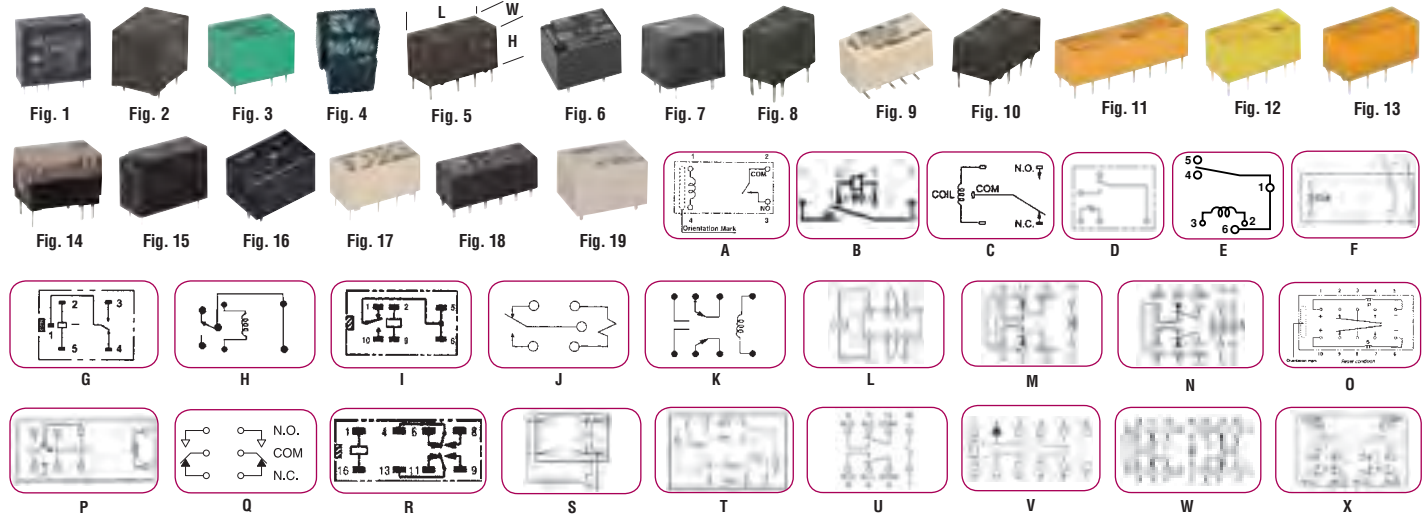
Analog DIN Rail Timer

- 13 timing functions
- 8 time ranges
- DIN rail/ back panel mount
- Contact ratings: 1C/O (SPDT); 5A @ 230VAC, 24VDC resistive

Part No.	Size	1	5	25
2125069	17mm	\$34.95	\$31.49	\$28.95

Designed for the appliance and temperature control markets, these relays are also well suited for automotive load management.

- Mechanical life: 10 million operations
- Electrical life: 100,000 operations
- Dielectric strength: 1500V_{RMS} (between contact and coil)



Part No.	Manufacturer	Product No.	Potter & Brumfield Cross Reference	Fig.	Contact Form	Coil Voltage	Coil (Ohms)	Contact Current	Contact Voltage	Pins	Dimensions (L" x W" x H")	Pricing		
												1	10	50
2077394	Fujitsu	JV-3S-KT	—	1A	SPST-NO	3VDC	45	5A	250VAC/30VDC	4	.69 x .39 x .49	\$2.49	\$2.25	\$1.95
1860070	Hamlin	HE3621A0500	—	1B	SPST-NO	5VDC	500	1A	200VDC	4	.75 x .19 x .30	1.75	1.55	1.25
2077378	Fujitsu	FBR161NED006-WB	—	2C	SPST	6VDC	100	10A	120VAC/30VDC	5	.85 x .63 x .63	1.49	1.25	1.09
145753	Rayex	L90A-12W	T90S1D12-12	4E	SPST	12VDC	155	30A/20A	240VAC/28VDC	5	1.2 x 1.0 x .77	2.49	2.25	1.95
2167550	Fujitsu	FBR562ND12-N	—	19X	SPST	12VDC	170	60A	14VDC	10	1.0 x .78 x .64	3.95	3.49	2.95
2120217	Bestar	BS-114	—	3D	SPST	12VDC	320	10A	120VAC/30VDC	5	.85 x .63 x .63	1.95	1.75	1.49
2125350	Panasonic	ALZ21B24	—	5F	SPST	24VDC	1440	16A	440VAC	6	1.13 x .49 x .62	1.49	1.25	1.09
134949	Rayex	L90-5W	T90S5D12-5	4E	SPDT	5VDC	27	20A	240VAC/28VDC	6	1.3 x 1.1 x .80	2.25	1.95	1.75
187151	Omron	G5LE-1DC5	—	2G	SPDT	5VDC	63	10A/8A	120VAC/30VDC	5	.90 x .65 x .75	1.49	1.35	1.19
843155	Panasonic	JS1-5V	T7C55D-05	6C	SPDT	5VDC	69.4	10A/5A	250VAC/100VDC	5	.87 x .63 x .63	1.29	1.19	1.05
174450	Rayex	LU-5	T81H5D215	7H	SPDT	5VDC	125	1A/2A	120VAC/24VDC	6	.60 x .40 x .45	1.95	1.69	1.49
187240	Omron	G5V-1-DC5	T5C-105L3H	8I	SPDT	5VDC	166.7	.5A/1A	125VAC/24VDC	6	.50 x .30 x .40	2.95	2.59	2.35
2131805	Fujitsu	FBR211AD006M	—	14S	SPDT	6VDC	80	.5A/1A	120VAC/28VDC	6	.59 x .40 x .41	1.09	.95	.85
2159197	Rayex	LEG-9F	—	7K	SPDT	9VDC	225	15A	125VAC/24VDC	5	.73 x .59 x .61	1.95	1.75	1.49
2155081	ValuePro	895-1C-S-12VDC	—	6F	SPDT	12VDC	225	20A	14VDC	5	.61 x .47 x .54	1.49	1.25	1.09
2158602	ValuePro	CKC-1C-12VDC	—	7J	SPDT	12VDC	320	12A	380VAC/110VDC	5	.74 x .60 x .50	1.49	1.25	1.09
144186	Velleman	JZC-22F	VR15M121C	7J	SPDT	12VDC	337	15A	120VAC/28VDC	5	.80 x .64 x .80	1.49	1.25	1.09
172937	Nais (Aromat)	JS1-12V	T72M5D121-12	6C	SPDT	12VDC	400	10A/5A	125VAC/24VDC	5	.85 x .62 x .63	1.55	1.39	1.19
174432	Rayex	LEG-12F	T7C55D12	7J	SPDT	12VDC	400	15A	120VAC/24VDC	5	.76 x .62 x .60	2.25	2.09	1.89
184461	Omron	G5V-1-DC12	—	8I	SPDT	12VDC	960	.5A/1A	125VAC/24VDC	6	.50 x .30 x .40	2.49	2.29	2.09
843201	Aromat/Panasonic	JW1FSN-DC24	RTB14024F	15D	SPDT	24VDC	1100	10A/10A	250VAC/30VDC	5	1.11 x .49 x .78	2.25	1.95	1.75
2135726	NEC	EP2-3N1ST	—	16T	DPST	12VDC	225	25A	30VDC (max.)	10	.94 x .64 x .63	1.95	1.75	1.59
2133528	Siemens	V23042-C2108-B101	—	17V	DPDT	3VDC	90	5A	220VAC/250VDC	8	.80 x .40 x .42	1.75	1.49	1.25
2095390	ValuePro	V23079A1011B301	—	5L	DPDT	4.5VDC	145	2A	250VAC/220VDC	10	.57 x .28 x .39	1.75	1.49	1.25
2077415	Fujitsu	BA-5W-K	—	10K	DPDT	5VDC	100	.5A/1A	125VAC/30VDC	8	.59 x .29 x .38	2.25	1.95	1.75
842953	Panasonic	DS2E-S-DC5V	—	11M	DPDT	5VDC	125	2A	125VAC/30VDC	8	.79 x .39 x .39	4.49	3.95	3.59
843649	Panasonic	TXA2SA-5V	—	9K	DPDT	5VDC	178	2A	30VDC	8	.59 x .29 x .22	2.95	2.75	2.49
2158338	ValuePro	TC-5VDC-C14	—	5L	DPDT	5VDC	178	2A	220VDC	8	.59 x .30 x .33	2.95	2.65	2.39
2081650	NEC	EC2-5NJ	—	5K	DPDT	5VDC	178	2A	220VAC/220VDC	8	.59 x .30 x .37	2.49	2.25	1.95
2120516	Panasonic	DS2Y-SL2-DC6V	—	12N	DPDT	6VDC	200	2A	250VAC/220VDC	10	.79 x .39 x .37	2.75	2.49	2.25
2077386	Fujitsu	AL-D9W-K	—	100	DPDT	9VDC	45	.5A/1A	125VAC/30VDC	10	.55 x .35 x .20	2.95	2.75	2.49
2158590	Nais (Aromat)	DSBT2-M-2D-DC12	—	5M	DPDT	12VDC	266.7	1A	250VAC/220VDC	8	.81 x .42 x .42	4.49	3.95	3.49
174378	Rayex	LM2-12D	RKA5DZ12	1P	DPDT	12VDC	270	5A	250VAC/30VDC	8	1.2 x .48 x 1.0	3.25	2.95	2.69
187258	Omron	G5V-2-DC12	—	5Q	DPDT	12VDC	288	.5A/2A	125VAC/30VDC	8	.81 x .40 x .45	3.25	2.95	2.69
842873	Panasonic	DS2E-ML2-DC12V	—	13Q	DPDT	12VDC	400	2A	250VAC/220VDC	10	.79 x .39 x .39	5.95	5.49	4.95
2139049	Omron	G5V-2-HI-DC24	—	5R	DPDT	24VDC	2880	.83A	125VAC/125VDC	8	.81 x .40 x .45	1.95	1.75	1.49
2133499	SDS/Relais	S3-12V	—	18U	4PST	12VDC	720	4A	250VAC/30VDC	12	1.11 x .48 x .41	4.95	4.49	3.95
2158611	Panasonic	DS4E-M-DC12V	—	11W	4PDT	12VDC	360	2A	250VAC/220VDC	14	1.39 x .39 x .37	7.95	6.95	6.25

* Manufacturer may vary ** Automotive, dual relay, separate type # SIP package † Latching

* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

Solid State, Enclosed & Reed Relays

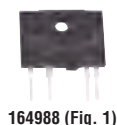
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OMRON crydom ECE

DC/AC and DC/DC Solid State Relays



★ Web Code: DBA



164988 (Fig. 1)



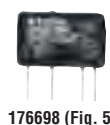
153059 (Fig. 2)



162342 (Fig. 3)



186992 (Fig. 4)



176698 (Fig. 5)



176648 (Fig. 6)



2144737 (Fig. 7)

Part No.	Mfr.	Mfr. Part No.	Control Voltage	Type	Contact Form	Contact Voltage	Contact Current	Pins	Fig.	Terminal Type	Agency Approval	Dimentions (L" x W" x H")	Pricing		
													1	10	50
Solid State Relays DC/AC Type															
164988	Sharp	S101S02	1.2VDC@20mA	DC/AC	SPST	125VAC	1.5A	4	1	Solder lead	UL/CSA	0.9 x .16 x .63	\$3.95	\$3.39	\$2.95
153059	Rayex	RSR2ND-A24003	4-32VDC	DC/AC	SPST	240VAC	3A	4	2	Solder lead	UL	1.7 x 0.4 x 2.0	9.95	8.95	7.95
162342	Excel	ESR51024-010	3-32VDC	DC/AC	SPST	240VAC	10A	4	3	Screw terminal	UL	1.7 x 1.1 x 2.3	18.95	16.95	15.49
186992	Omron	G3NA-210B-DC5-24	5-24VDC	DC/AC	SPST	240VAC	10A	4	4	Screw terminal	UL/CSA	1.7 x 1.1 x 2.3	19.95	18.95	17.95
162369	Excel	ESR51024-025	3-32VDC	DC/AC	SPST	240VAC	25A	4	3	Screw terminal	UL	1.7 x 1.1 x 2.3	21.95	20.95	19.95
175214	Kyoto	KB20C02A	3-32VDC	DC/AC	SPST	280VAC	2A	4	5	Solder lead	CE	1.4 x 0.3 x 1.5	7.95	7.29	6.59
176698	Kyoto	KB20C06A	3-32VDC	DC/AC	SPST	280VAC	6A	4	5	Solder lead	CE	1.4 x 0.3 x 0.9	10.95	9.95	8.95
176719	Kyoto	KD20C40AX	4-32VDC	DC/AC	SPST	280VAC	40A	4	6	Screw terminal	UL/CE	1.7 x 0.9 x 2.3	19.95	17.95	15.95
Solid State Relays DC/AC Type															
172591	Kyoto	KF0602D	3-32VDC	DC/DC	SPST	60VDC	2A	4	5	Solder lead	CE	1.4 x 0.3 x 0.9	\$9.95	\$8.95	\$7.95
175222	Kyoto	KF0604D	3-32VDC	DC/DC	SPST	60VDC	4A	4	5	Solder lead	CE	1.5 x 0.3 x 0.9	9.95	8.95	7.95
2144737	Teledyne	C47F-20	3.8-32VDC	DC/DC	SPST	90VDC	1A	4	7	DIP-14	—	.75 x .25 x .17	5.95	5.49	4.95
176648	Kyoto	KG1005D	3-32VDC	DC/DC	SPST	120VDC	5A	4	6	Screw terminal	CE	2.3 x 1.7 x 0.9	19.95	18.95	17.95
176655	Kyoto	KG1010D	3-32VDC	DC/DC	SPST	120VDC	10A	4	6	Screw terminal	CE	2.3 x 1.7 x 0.9	24.95	22.49	19.95



OptoMOS® Solid State Relays

Applications:

Telecom: Tip/Ring circuits, modem switching
Instrumentation: Multiplexers, data acquisition

1583041



A



B



★ Web Code: WDX

Part No.	Mfr. Part No.	Package	Description	Schem.	Load Voltage ¹ (V)	Current Handling (mA)	On-Resistance ¹ (Ω)	Isolation Voltage (Vrms)	Input Control Current (mA)	Off-State Leakage (μA)	Switching Speed (on/off) (ms)	Pricing		
												1	10	50
1583041	LCA710	DIP-6	Single pole, 1-Form-A	A	60	1000	0.5	3750	10	1	2.5/0.25	\$4.95	\$4.49	\$3.95
991220	AQV252G	DIP-6	Single pole, 1-Form-A	D	60	2500	0.8	1500	5	1	1.1/0.25	4.75	4.55	4.15
1582997	LCA110	DIP-6	Single pole, 1-Form-A	B	350	120	35	3750	2	1	3/3	2.25	1.95	1.59
1582903	LAA110	DIP-8	Dual single pole, 1-Form-A	C	350	120	35	3750	5	1	3/3	3.95	3.75	3.49



C



D



Potter & Brumfield Equivalent Plastic-Enclosed Construction Relays

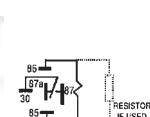
★ Web Code: PBB

VF Series

- Dielectric strength: 500VDC (between contact & coil)
- Operating temp.: -35°C to +85°C
- Contact current: 40A
- Coil voltage: 12VDC
- Terminal type: quick connect
- Normally open (NO)
- Dimensions: 1.1"L x 1.1"W x 1.0"H



Schematic 1



Schematic 2



171433 (Fig. 1)



171442 (Fig. 2)



171460 (Fig. 3)

Part No.	Mfr.	Product No.	P&B Cross Ref. No.	Fig.	Contact Form	Coil Ohms	Coil Voltage	Contact Schematic	Pins	Pricing		
										1	10	50
1810179	Rayex	LD1A-12BP	—	2	SPST-NO	80	12VDC	1	4	\$2.25	\$1.95	\$1.75
171460	Rayex	LD1A-12F	—	3	SPST-NO	80	12VDC	1	4	2.95	2.69	2.39
171442	Rayex	961A-1A12D	—	2	SPST-NO	80	12VDC	1	4	2.25	1.95	1.75
171522	Rayex	LD5F	VF4-45D11	3	SPDT	14	5VDC	2	5	1.95	1.75	1.49
148583	Rayex	LD12F	VF4-85F11	1	SPDT	78	12VDC	2	5	2.95	2.59	2.29
2094135	Sanyou	SARL-112D	VF4A-15F11	2	SPDT	80	12VDC	2	5	3.95	3.59	3.25
2094151	Sanyou	SARL-112DF	VF45A-45F11	1	SPDT	80	12VDC	2	5	3.95	3.59	3.39
171433	ValuePro	961A-1C-12DM	VF4-81F11	1	SPDT	90	12VDC	2	5	3.25	2.95	2.69
2094186	Sanyou	SARL-125D	VF4A-15F11	2	SPDT	320	24VDC	2	5	3.95	3.59	3.19
2094194	Sanyou	SARL-124DF	VF4A-45H11	1	SPDT	320	24VDC	2	5	3.95	3.59	3.25

* PCB terminals

† Comes with a removable clip

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



Reed Type Relays

- Contact form: SPST-NO
- Terminal type: PCB solder
- Contact voltage:
 - 111448: 120VAC/60VDC;
 - 2099358: 150VAC/VDC
- Coil voltage @ contact rating:
 - 111448: 12V @ 11.4mA;
 - 2099358: 12VDC @ 0.1A
- Dimensions: 111448: 1.0"L x 0.37"W x 0.38"H;
- 2099358: 0.82"L x 0.25"W x 0.27"H



111448

Part No.	Product No.	Pins	1	10	50
111448	BR-1050	4	\$1.95	\$1.75	\$1.49
2099358	2900-0043	5	1.49	1.25	1.09



Relay Socket with Coil Diode

VF Series

- 14 AWG: 2 black & 1 blue wire; 18 AWG: 1 black & 1 red wire (7.5" length)
- Contact voltage/current: 12V/20A
- Diode coil suppression
- Use with P/N 148583 (left)



Part No.	Product No.	1	10	50
170624	RSD03	\$2.49	\$2.25	\$2.09

DIP/SIP Power Relays, Relay Sockets & Sensor Cables

Aromat **EGE** **KEST** **HAMLIN**

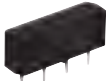
DIP & SIP Relays

* Web Code: QAN

- Logic control levels
- Long life with reliable operation
- Excellent for PCB applications
- Compatible with IC sockets
- Compact design/construction
- Moisture resistant



106463



1860088



2081377

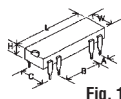


Fig. 1

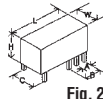
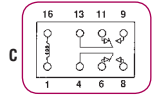
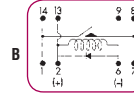
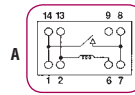


Fig. 2



Part No.	Manufacturer	Product No.	Fig.	Contact Form	Coil Voltage	Coil Ohms	Contact Voltage	Contact Current	Pins	Jameco Socket	Dimensions (L" x W" x H")	Leads (A" x B" x C")	Pricing		
													1	10	100
138431	Excel	2D1A05	1B	SPST-NO	5VDC	500	100VDC	0.5A	8	37162	.77 x .30 x .22	.10 x .40 x .30	\$2.75	\$2.49	\$2.25
106463	Excel	201A05	1A	SPST-NO	5VDC	500	100VDC	0.5A	8	37162	.78 x .25 x .20	.10 x .40 x .30	2.75	2.49	2.25
1860088	Hamlin Breed	HE3621A0510	—	SPST-NO	5VDC	1000	200VDC	0.5A	4†	—	.75 x .20 x .30	.20 x .60	1.35	1.19	.99
106472	Excel	201AI2	1A	SPST-NO	12VDC	1000	100VDC	0.5A	8	37162	.78 x .25 x .20	.10 x .40 x .30	1.95	1.75	1.49
139977	ValuePro	RSB5S	2C	DPDT	5VDC	125	120VAC/30VDC	1A/2A	8	37373	.79 x .39 x .37	.20 x .40 x .30	2.75	2.49	2.25
2081414	KEST	KS2E-M-DC5	2C	DPDT	5VDC	128	125VAC/28VDC	1A/2A	8	37373	.83 x .40 x .48	.20 x .30 x .30	2.95	2.75	2.49
173914	Aromat	DS2YE-S-DC5V	2C	DPDT	5VDC	125	125VAC/100VDC	0.5A/1.25A	8	37402	.79 x .38 x .44	.18 x .28 x .29	2.49	2.25	1.95
2081377	KEST	KS2E-M-DC12	2C	DPDT	12VDC	708	125VAC/28VDC	1A/2A	8	37373	.83 x .40 x .48	.20 x .30 x .30	2.95	2.75	2.49
99311	Aromat (NAIS)	DS2Y-S-DC12V	2C	DPDT	12VDC	720	110VAC/30VDC	0.3A/1A	8	37373	.79 x .40 x .43	.20 x .40 x .30	2.95	2.75	2.49
2081406	KEST	KS2E-M-DC24	2C	DPDT	24VDC	1440	125VAC/28VDC	1A/2A	8	37373	.83 x .40 x .48	.20 x .30 x .30	2.95	2.75	2.49

† SIP

JAMECO ValuePro



General Purpose Power Relays

* Web Code: GPR

For complete specifications visit www.Jameco.com

Part No.	Mfr.	Product No.	Contact Form	Rating	Contact Rating	Coil Resis.	Contact Type	1	10	50
2167453	Panasonic	JTVIAS-PA-12	SPST	12VDC @ 83mA	30A, 277VAC	144Ω	PCB terminals	\$3.75	\$3.49	\$2.95
2092981	Omron	G8P-1A4P	SPST-NO	24VDC @ 36mA	30A, 250VAC	660Ω	PCB terminals	4.95	4.49	3.95
611928	P&B	T9AP1D52-48-03	SPST-NO	48VDC @ 21mA	30A, 240VAC	2304Ω	Quick connect: .187" for coil/.250" for contacts	4.49	3.95	3.69
137358	ValuePro	953-1C12DM-R	SPDT	12VDC @ 77mA	20A, 240VAC/28VDC	155Ω	Quick connect: .110" for coil/.250" for contacts	2.95	2.75	2.49
552462	P&B	PRD-7AG0-120	DPST-NO	120VAC @ 85mA	30A, 240VAC	290Ω	Screw: #8-32 for main; #6-32 for contacts	33.95	31.95	29.95
2158346	P&B	T92P7D22-12	DPST-NO	12VDC @ 140mA	30A, 277VAC	86Ω	.250" quick connect	8.95	8.49	7.95
2139057	P&B	T92P7D22-24	DPDT-NO	24VDC @ 70mA	30A, 277VAC	350Ω	.250" quick connect	6.95	6.29	5.59

2139057

611928

137358

552462

2158346

JAMECO ValuePro

General Purpose Blade and Octal Relays

- UL/CSA approved
- Industry standard termination for quick installation
- Wide range of coil voltages for industrial and commercial applications



* Web Code: ACF



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Part No.	Mfr.	Product No.	Fig.	Contact Form	Coil Voltage	Contact Rating	Coil Resis. (Ω)	Coil Current (mA)	Mating Socket*		Pricing		
									Standard	DIN Rail	1	10	50
2119996	Omron	G2R-1-E-AS1	1	SPDT	24VDC	16A @ 250VAC; 16A @ 30VDC	1100	21.8	—	—	\$1.95	\$1.75	\$1.49
2093079	Omron	LY2F-DC12	1	DPDT	12VDC	10A @ 24VDC; 10A @ 110VAC	160	75	PT08	175531	5.95	5.39	4.25
139766	Rayex	MK2P-I	2	DPDT	12VDC	10A @ 28VDC; 10A @ 240VAC	120	10	141145	141145	7.95	7.29	5.95
282378	P&B	KRPA-11DG-12	3	DPDT†	12VDC	10A @ 240VAC	120	100	282132	—	17.95	16.95	15.95
172719	ValuePro	LB2-12DS-R	4	DPDT	12VDC	12A @ 30VDC; 12A @ 240VAC	160	75	175531	282191	6.49	5.95	5.49
282255	P&B	K10P-11D15-12	5	DPDT	12VDC	15A @ 30VDC; 15A @ 120VAC	160	75	282191	282191	12.95	11.95	10.95
175565	ValuePro	LB2-24DS-R	4	DPDT	24VDC	12A @ 30VDC; 12A @ 240VAC	650	37	175531	282191	6.49	5.95	5.49
175573	ValuePro	LB2-110ASR	4	DPDT†	110VAC	12A @ 30VDC; 12A @ 240VAC	3,900	28	175531	282191	6.95	6.29	5.25
139740	Beta	BTAB-2C-J-CW-120VAC	2	DPDT	120VAC	10A @ 28VDC; 10A @ 240VAC	1,700	122	141145	141145	7.95	6.95	5.75
282247	P&B	K10P-11A15-120	5	DPDT	120VAC	15A @ 30VDC; 15A @ 120VAC	3,900	11	282191	282191	10.95	9.95	8.95
2167461	Omron	MY4-DC12	1	4PDT	12VDC	3A @ 30VDC; 3A @ 250VAC	160	75	2167470	2167470	8.95	7.95	6.95
291507	ValuePro	LB4H-12DS-R	4	4PDT	12VDC	5A @ 30VDC; 5A @ 240VAC	160	75	175557	175557	4.95	4.49	3.95
2167496	IDEC	RY4S-UL	1	4PDT	12VDC	5A @ 30VDC; 5A @ 240VAC	160	75	2167470	2167470	9.95	8.95	7.95
175602	ValuePro	LB4H-24DS-R	4	4PDT	24VDC	5A @ 30VDC; 5A @ 240VAC	650	37	175557	175557	5.49	4.95	4.49
175611	ValuePro	LB4H-110AS-R	4	4PDT†	110VAC	5A @ 30VDC; 5A @ 240VAC	3,900	28	175557	175557	5.95	5.49	4.95

* For sockets see below

† PCB

1 = Silver-cadmium oxide, no lamp

JAMECO ValuePro



Blade and Octal Relay Sockets

141145/175531/282191/

282132: 8-pin DPDT

175557: 14-pin 4PDT

* Web Code: TEM

Part No.	Mfr.	Product No.	Relay Series	Type	1	10	50
141145	Beta	PF-083A	BTA1	Combo†	\$3.95	\$3.69	\$2.95
175531	ValuePro	27E895	K10	Combo†	4.39	3.95	3.69
2167470	Omron	PYF14A-E	MY	Combo†	4.95	4.49	3.95
282191	P&B	27E895	K10	DIN Rail	7.49	6.95	6.25
282132	P&B	27E122	KRP/KRPA	Standard	6.95	6.25	5.59
175557	ValuePro	27E894	KHUA	DIN Rail	3.75	3.49	3.19

† Combo: DIN rail or screw terminal



Waterproof Temperature Sensor Cables

Multiple sensors can be daisy-chained on a single CAT5 network that can extend up to 200 meters or more in a typical environment.

* Web Code: WSS

- Digital sensor with 12-bit resolution
- Accuracy: $\pm 0.5^{\circ}\text{C}$
- Jacketed cable length: 3'
- Temperature range: 14°F to 185°F (-10°C to $+85^{\circ}\text{C}$)
- Supply voltage: 3-5.5V @ 1-1.5mA



2153502



2153511

Part No.	Description	Wire Gauge	1	5
2153502	Epoxy-hardened potted tip	20 AWG	\$12.95	\$11.95
2153511	Stainless steel sensor probe	20 AWG	18.95	17.49

* For additional products, availability, and additional specifications visit www.Jameco.com and enter the web code in the product search box

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Order by Phone at 1-800-831-4242 or Online at www.Jameco.com



Inductive Proximity Switch Sensors

Cylindrical and Square Styles

- Operating voltage range: 10-30VDC
- Normally open output
- Current consumption: 10mA max.
- Sensing distance: $\pm 10\%$ (tin)
- Pre-tinned pigtail
- Nominal operating voltage: 12VDC
- Switching frequency: 1.5kHz
- LED status indicator
- Sensing target: inductive type – magnetic metal
- Fast response
- Short-circuit protected
- 6' long cable

*Web Code: IPS



Part No.	Mfr. Part No.	Output Circuit	Effec. Dist. (Iron)	Standard Target (Iron) (mm)	Dimensions (L x Dia.)	Mounting Hole (ins.)	Pricing		
							1	5	25
421163	CS18-05N-1	NPN	0-0.4mm	18 x 18 x 1	2.1" x 1.10"	0.95	\$12.95	\$11.95	\$10.95
167020	TS12-02N-1*	NPN	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	21.95	19.95	17.95
155547	S18-05N-1*	NPN	0-4.0mm	18 x 18 x 1	1.4"Lx1.4"Wx0.7"H	0.112	12.95	11.95	10.95
421171	CS18-08N-1	NPN	0-6.4mm	18 x 18 x 1	2.4" x 1.10"	0.95	12.95	11.95	10.95
248858	TS12-02P-1*	PNP	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	19.95	17.95	15.95

*Includes cable



Digital Hall Effect Magnetic Proximity Sensors

Flange Mount • Applications: door position sensing, flow sensing, pedal switch

- Capable of millions of operations
- Reverse battery protection to -24VDC
- Output saturation voltage max.: 400mV
- Meets IEC529 IPX5 for water protection
- Output wire: 3-wire sink
- Operating voltage range: 4.5-24VDC

513252

*Web Code: CCC

Part No.	Mfr. Part No.	Supply Curr. Max. (mA)	Output Curr. Max. (mA)	Op. Point Gauss (max.)	Rel. Point Gauss (min.)	Function	Pricing		
							1	10	25
513252	MP101401	5.2	20	185 (south)	60 (south)	Unipolar switch	\$6.95	\$6.49	\$5.95
513261	MP102103	12	25	300 (north)	195 (north)	Switch	5.95	5.59	5.25



Hall Effect Magnetic Proximity Sensor

- With Snap-Fit Mount
- Operating voltage range: 4.75-24VDC
- No mechanical contacts to wear out
- South pole sensitive or bi-polar latch
- Output saturation voltage max.: 400mV
- Output: 3-wire sink
- Immune to dust, dirt, & moisture
- Digital output compatible with all logic families
- Operating temp. range: -40°C to 85°C
- Reverse polarity protection to -24V
- Solid state reliability

*Web Code: CCC

Part No.	Mfr. Part No.	Supply Curr. Max. (mA)	Output Curr. Max. (mA)	Op. Point Gauss (max.)	Rel. Point Gauss (min.)	Wire	Pricing		
							1	5	25
513244	MP101301	4	25	300	60	24AWG x 1m	\$5.95	\$5.49	\$4.95

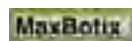


Magnetic Proximity Sensor Cylindrical Plastic Housing

- Omnipolar, magnetically activated switch
- Hermetically sealed
- Contact resistance: 0.2 Ω max.
- Resistant to dirt and moisture
- Can be approached by any magnet from any angle with either pole
- Zero power consumption
- Breakdown voltage: 200VDC min.
- Operating temp. range: -40°C to 105°C

*Web Code: CCC

Part No.	Mfr. Part No.	Contact Form	Power (W)	Switching Volt. Max. (VDC)	Switching Curr. Max. (A)	Op. Time Typical (ms)	Pricing		
							1	10	100
513308	MP201701	SPST NO	10	175	0.5	0.5	\$2.95	\$2.69	\$2.39



High Performance Sonar Range Finders

*Web Code: MXB

MaxBotix is a leader in ultrasonic range finder products for standard, industrial, and outdoor applications and detect objects from as close as 6" all the way to 35' depending on the model. MB7xxx family has 3/4" PVC straight threads at the back and are IP67 weather resistant.



Part No.	Mfr. Part No.	Fig.	Max. Beam Width†	Detection Range (ft.)	Data Output*	1	5
2157394	MB7092	3	1 foot	1-25.1	RTAVE, AV, SD	\$94.95	\$89.95
2157386	MB7066	3	1 foot	1-35	PW, AV, SD	104.95	99.95
2157335	MB1040	1	2 feet	1-21.16	PW, AV, SD	24.95	23.49
2157378	MB7060	3	2 feet	1-25.1	PW, AV, SD	94.95	89.95
2157319	MB1000	1	8 feet	1-21.16	PW, AV, SD	27.95	24.95
2157343	MB1210	2	9 feet	1-25.1	PW, AV, SD	39.95	37.49

*PW = pulse-width; AV = analog volt.; SD = serial digital; RTAVE = real-time analog volt. envelope †Beam characteristics are approximate

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Solid State Digital Position Sensors

- High output current capability -50mA absolute max.
- Oper. temp. range: -40°C to 150°C
- 3-pin SIP package
- Output type: sink
- Output volt./curr.: 40mV/20mA max.
- Supply current: 10mA max.
- Supply voltage:

1915915/1915886: 3.8VDC to 30VDC
1915940: 3VDC to 6.5VDC

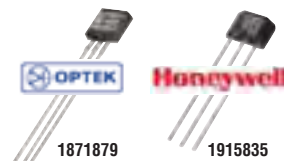
*Web Code: DPS

Part No.	Mfr. Part No.	Type	1	10	100
1915915	SS466A	Latching ..	\$1.19	\$0.99	\$0.89
1915940	SS49E	Sourcing	1.75	1.59	1.35
1915886	SS441A	Unipolar	1.25	1.09	.95

Hall Effect Sensors

*Web Code: REB

- Supply voltage range: 4.5V-24V
- Supply current: 9mA max.
- Operating temperature up to 150°C



Part No.	Mfr. Part No.	BOP/BRP* @ 25°C	1	10
1871879	OH180U	180/140 gauss	\$2.95	\$2.75
1915835	RS41	40/-40 gauss	1.19	.99

*BOP = Magnetic Operating Point; BRP = Magnetic Release Point



Gear Tooth Speed Sensor

Commercial Grade Hall Effect

- Operating voltage range: 4.5-24VDC
- Output type: sink
- Output current: 25mA max.
- Supply current: 6mA max.
- Barrel length: 1.0"
- Thread: 15/32" - 32
- Wire: 20 AWG x 1m
- Reverse battery protection from 24VDC
- Operating temperature range: -40°C to 125°C
- Output voltage: 400mV max.

Part No.	Mfr. Part No.	1	5	25
512401	GS100701	\$29.95	\$26.95	\$23.95



Humidity Sensors

- Linear volt. output vs %RH
- Voltage & current: 4 to 5.8VDC @ 500 μ A max.
- Accuracy: $\pm 3.5\%$ RH
- Operating temp.: -40°C to 85°C
- 0.10" lead pitch SIP with calibration & data printout

1860230: 0.05" lead pitch SIP

1860248: 0.10" lead pitch SIP w/ calibration & data printout

Part No.	Mfr. Part No.	1	5	25
1860230	HIH-4000-002	\$13.99	\$12.75	\$11.59
1860248	HIH-4000-003	19.95	17.95	15.95



Pressure Sensor

- Differential pressure 0 to 5 psid pressure range
- Max. load pressure: 2X rated pressure
- 1/8" dia. tubing applicable
- Pressure media: non-corrosive gas, non-ionic fluids
- Size: 0.55"L x 0.47"W x 0.28"H

Part No.	Mfr. Part No.	1	5	25
2151161	SCC05DD4	\$14.95	\$13.49	\$11.95

Sensors, Keypads & Microphone Cartridges



Digital/Analog Distance Sensors

These sensors are small in size and can be placed just about anywhere on your project.

2136462: 3-pin header connection (included)

2150256: Connects with 3-pin JST connector (P/N 2143881, not included)

★ Web Code: PDS

Part No.	Mfr.	Mfr. P/N	Digital/Analog	Detection Range	Res. Time	1	5
2136462	Pololu	1134	Digital	0.8" to 4"	2.56 ms	\$6.95	\$6.29
2150256	Parallax	28995	Analog	3.9" to 31.5"	38.0 ms	15.95	14.95
2143881	Pololu	117	3-pin female JST cable for distance sensors ...			1.09	.99



12-Button Numeric Keypads

- Contact resistance: 200Ω max.
- 8-pin & 10-pin .100" header
- 10 pin w/ multicore wires
- Contact rating: 12VDC @ 20mA
- Life test: 1,000,000 cycles per key
- Size: 3.0"L x 2.2"W x 0.6"H (8-pin) white
- Size: 2.5"L x 2.1"W x 0.4"H (10-pin) black

2082206



Part No.	Description	1	10	100
190562	8-pin header keypad	\$5.95	\$5.49	\$4.95
2081828	10-pin wire keypad	2.59	2.25	1.95
2082206	10-pin header keypad	2.95	2.59	2.25

16-Button Indoor/Outdoor Keypads

- 9-pin .100" headers
- Compatible with MOS, TTL and DTL (10Ω max.)
- Contact rating: 24VDC @ 10mA resistive
- Fully sealed snap-dome contact
- Life test: 3,000,000 cycles per key
- Size (housing): 4.7"W x 1.7"H x 0.4"T
- Recommended connector: P/N 103191 header & 100766 pin, pg 60



196171



152063

Part No.	Description	1	10	100
196171	2x8 matrix keypad	\$14.95	\$13.49	\$12.49
152063	4x4 matrix keypad	16.95	15.49	13.95



16-Button Numeric Keypads

- Contact resis.: 200Ω max.
- 8-pin solder pad
- Contact rating: 24VDC @ 20mA
- Life test: 1,000,000 life cycles per key
- 8-pin male header, use for P/N 153702 (straight) or P/N 153728 (right angle)

169245



Part No.	Size (L" x W" x H")	1	10	100
2131055	2.5 x 2.6 x 0.4	\$5.95	\$5.49	\$4.95
169245	3.0 x 2.8 x 0.6	9.95	8.95	7.95

★ Keypads Online — Enter Web Code XBA



Omni-Directional Electret Condenser Microphone Cartridges

Applications: Tape recorders, intercoms, hearing aids, telephone and answering devices, sonic controlled toys and sensors

- Max current: 0.5mA
- Impedance: >2.2kΩ
- Terminals: PC pin leads

★ Web Code: QBW

1950948



Part No.	Cross Ref. No.	Sensitivity	Frequency (Hz)	Max. Op. Volt.	Stand Op. Volt.	Sensitivity Reduction	S/N Ratio	Size (H x Dia.)	Pricing
1950948	AMF-097A40-NB1-LF	-60 ±3dB	50-16,000	10VDC	3.0VDC	-3dB @ 3V	>58dB	.27" x .39"	\$.99 \$.89 \$.79
2126141	EC928P-602	-40 ±2dB	20-12,000	10VDC	4.5VDC	-3dB @ 1.5V	>75dB	.26" x .38"	.95 .85 .75
136574	WM-60PC	-54 ±2dB	20-12,000	12VDC	4.5VDC	-3dB @ 3V	>40dB	.30" x .38"	1.09 .99 .89
320179	EM-99	-64 ±2dB	20-12,000	12VDC	4.5VDC	-3dB @ 3V	>40dB	.27" x .39"	.95 .85 .75



Arduino Compatible Sensors

These plug and play sensors are ready for immediate installation and use.

2127662: • Supply voltage: -0.3V to +7.0V

- Can be mounted directly into the analog pins of Arduino

2160104: • LIS302SG chip, ±2g

- Built-in 5V tolerance protection



2127662

★ Web Code: ACS



2160104

Part No.	Description	1	5
2127662	Ambient light sensor	\$7.95	\$7.25
2160104	3-axis accelerometer	29.95	27.95

For Arduino Boards and Sensors, see pages 160-162



Flex Sensor

- Max. resistance: 30kΩ to 40kΩ, proportional to the degree of flexing or bending
- Applications: virtual reality data gloves, robotic, bio-metric, physics and engineering

Part No.	Nominal Res.	Length	1	10
150551	10kΩ	4.5	\$12.95	\$11.49



Bidirectional Flex Sensor

As the Bi Flex Bend Sensor is bent in either direction, the resistance gradually decreases. It is pressure sensitive and may also be used as a force or pressure sensor.

- Nominal resistance: 20kΩ – 50kΩ
- Dimensions: 4.5"L x .375"W x .038"T
- Temperature range: -45°F to 125°F

Part No.	Mfr. Part No.	1	5	25
2124867	FLX-01-M	\$9.95	\$8.95	\$7.95



Ultrasonic Sensor Sets

Motion or Distance Sensing, Transmitter/Receiver Set

- Frequency: 40kHz ±1.0kHz
- Aluminum case

136654: • Capacitance: 2000pF ±30%

- Transmitter: bandwidth 4.0kHz @ 112dB, sound pressure level 119dB @ 40±1.0kHz
- Receiver: bandwidth 3.5kHz @ -71dB, min. sensitivity 65dB @ 40±1.0kHz (R=3.9kΩ)

139492: • Capacitance: 2000pF ±20%

- Transmitter: bandwidth 5.0kHz @ 100dB, sound pressure level 112dB @ 40 ±1.0kHz
- Receiver: bandwidth 5.0kHz @ -75dB, min. sensitivity 67dB @ 40 ±1.0kHz (R=3.9kΩ)

2120268:

- Capacitance: 1250pF ±20%
- Bandwidth: 4.0kHz @ -73dB
- Transmitter sensitivity: 41kHz @ 67dB
- Receiver sensitivity: 40kHz @ 67dB (R=3.9kΩ)

Part No.	Product No.	Case Size	Lead Length/Spacing	1	10	100
139492	40TR12B	0.302"H x 0.43"Dia.	0.28"	\$7.95	\$7.19	\$6.49
2120268	EFR40K2	0.47"H x 0.62"Dia.	0.35"	5.95	4.95	3.95
136654	40TR16FR	0.47"H x 0.62"Dia.	0.39"	8.49	7.59	6.89

★ Web Code: CAU



136654



139492



2120268



Ceramic Earphone

Use these earphones in your applications requiring high output with less amplification.

- Impedance: 20MΩ min.
- 3.5mm plug
- Cord length: 3'
- Color: tan

★ Web Code: EHS



Part No.	Mfr. Part No.	1	10
2098427	25CR035-ROX	\$2.49	\$2.29

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JAMECO ValuePro

Piezo Buzzers (Annunciators)

*Web Code: JPB

Part No.	Manufacturer	Product No.	Fig.	Tone	Oper. Volt. (V/mA)	Volt. Range	Sound (dB)	Freq. (Hz)	Dimensions (H x Dia.)	Pricing		
										1	10	100
2081246	Shogyo	SEP-2202A5	1	Single	3/11	1.5 - 6	85	3000	16mm x 24mm	\$1.95	\$1.75	\$1.49
335557	ValuePro	MSR320	2	Single	3-20/3-16	3 - 20	90	3400	.39" x .91"	2.49	2.25	1.95
1956696	Velleman	SV4/5-S	3	Single	5/25	3 - 6	87	3200	.30" x .47"	2.49	2.25	1.99
336989	ValuePro	SC616N	4	Single	6-16/6-22	6 - 16	95	2900	1.28" x 1.69"	2.25	1.95	1.75
2172906	Mallory	SCM616N-1	9	Continuous*	6/16/6-22	6-16	90	2900	1.06" x .170"	5.95	4.95	3.95
1956741	Velleman	SVM06	5	Single	6/20	3 - 7	75	300-500	.91"L x .63"W x .59"H	2.25	1.95	1.75
196357	ValuePro	AL-175	6	Single	12/5.8	3 - 16	86	4000	.30" x .54"	1.95	1.75	1.49
138713	ValuePro	32S4120-PN	6	Single	12/7	3 - 16	80	4000	.30" x .54"	2.25	1.95	1.75
2120452	ValuePro	DB-E238	1	Single	12/8	3 - 20	85	2900	16mm x 23.8mm	1.75	1.49	1.25
1956750	Velleman	SVM12	5	Single	12/15	7 - 17	75	300-500	.91"L x .63"W x .59"H	1.95	1.75	1.49
2129721	MG Elec	SBT-16065	1	Single	12/20	4 - 7	85	2200	13.9mm x 15.4mm	1.95	1.75	1.49
32602	ValuePro	11S3240-R	9	Single	24/15	1 - 27	95	2900	1.4" x 1.7"	3.95	3.49	2.95
76021	ValuePro	7S3240-LA	9	Single	24/20	1.5 - 28	95	3200	1.0" x 1.1"	3.95	3.49	2.95
249498	ValuePro	1103120-LF-TA	9	Dual#	12/25	4 - 16	95	2900	34.5mm x 43.5mm	2.75	2.49	2.25
123538	ValuePro	11D3240	9	Dual#	24/20	4 - 28	80	2900	1.4" x 1.7"	3.95	3.49	2.95
335855	ValuePro	PK-12N40P	1	Pulse	12/10	3 - 15	83	4100	8mm x 14mm	1.95	1.75	1.59
2117430	ValuePro	7P3120LF-LA	10	Pulse	12/10	3 - 15	90	3200	.98" x 1.10"	2.95	2.59	2.25
2099690	Kobitone	256-PB313	8	Continuous†	12/7	3 - 28	82	3600	.413" x 1.18"	.75	.65	.55
673900	ValuePro	SEP-1172	7	—†	12/7	3 - 28	81	3300	16mm x 31.4mm	.49	.45	.39

*PCB terminals † Requires driver circuit #Continuous or fast pulse



Piezo Transducers (Speakers)

*Web Code: JPT

Part No.	Manufacturer	Product No.	Fig.	Rated Voltage	Max. Current	Res Frequency	Sound (dB)	Dimensions (H x Dia.)	Pricing		
									1	10	100
1956784	Velleman	TV4	1	1.5Vp-p	1.5mA	4kHz	75	0.2mm x 50mm	\$3.25	\$2.95	\$2.75
1956776	Velleman	TV1	2	1.5Vp-p	1.5mA	4kHz	85	6mm x 30mm	2.25	1.95	1.75
2098540	Kobitone	PB102-ROX	3	3Vp-p	3mA	2kHz	70	3.2mm x 10mm	1.25	1.09	.99
2098523	Kobitone	PB140-ROX	4	5Vp-p	5mA	4kHz	80	6.8mm x 13.8mm	1.25	1.09	.99
2098566	Kobitone	AZ-3025E-W-LF	2	10Vp-p	9mA	2.5kHz	86	9.5mm x 30mm	1.29	1.15	.99
336276	ValuePro	PT-1250W	3	12Vp-p	2mA	4kHz	75	4.3mm x 13.5mm	1.09	.99	.89
336314	ValuePro	KWT2340F12L-2ER	2	12Vp-p	3mA	4kHz	80	4.5mm x 24mm	1.59	1.49	1.35
2077280	Panasonic	24C411	4	15Vp-p	2mA	4kHz	85	6mm x 24mm	.75	.65	.59
2151216	ValuePro	EAT-17	5	20Vp-p	1mA	3.8kHz	80	6.9mm x 14mm	1.49	1.35	1.19



JAMECO ValuePro

KOBITONE

Magnetic Transducers (Buzzers)

• Applied voltage: 1/2 duty, square wave

*Web Code: JMT

Part No.	Manufacturer	Product No.	Fig.	Oper. Volt. (V/mA)	Volt. Range	Frequency (Hz)	Impedance (Ω)	Sound (dB)	Dimensions (H x Dia.)	Pricing		
										1	10	100
335388	ValuePro	AST500	1	1.5/70	1.2 - 3	2400	15	80	.40" x .50"	\$3.99	\$3.35	\$2.29
2159701	ValuePro	CB-12HN	2	2.4/100	1.1 - 3	2700	10	85	.20" x .47"	.79	.69	.59
138740	ValuePro	DBX05-PN	3	5/40	3 - 8	2400	80	85	.35" x .46"	1.49	1.25	1.09
673871	ValuePro	PRT-1205	3	5/40	3 - 8	2400	47	90	.35" x .46"	.95	.85	.75
2129748	Kobitone	256-MB2161	3	12/40	6 - 18	2048	115	85	.55" x .63"	.59	.55	.49
673774	ValuePro	SBT-1612	4	12/40	6 - 18	2048	200	85	.53" x .62"	.75	.65	.59



JAMECO ValuePro

Mechanical/Electromechanical Buzzers

*Web Code: MEB

Part No.	Manufacturer	Cross Ref. No.	Fig.	Oper. Volt. (V/mA)	Voltage Range	Frequency (Hz)	Sound (dB)	Dimensions	Pricing		
									1	10	100
76065	ValuePro	TDB05-PN	3	5/30	4 - 7	2300	85	.35"H x .46"Dia.	\$3.25	\$2.95	\$2.75
24872	ValuePro	63S109LA	2	9/30	6 - 12	400	85	1.3"L x 0.7"W x 0.6"H	1.59	1.49	1.35
140695	ValuePro	63S1120-LA	2	12/25	9 - 15	400	75	1.3"L x 0.7"W x 0.6"H	2.25	1.95	1.75
335353	ValuePro	ASI401	1	12/30	8 - 15	2400	90	.5"L x .5"W x .4"H	.49	.45	.39



JAMECO ValuePro

Piezo Sirens

*Web Code: PSS

Part No.	Manufacturer	Cross Ref. No.	Oper. Volt. (V/mA)	Voltage Range	Frequency (Hz)	Sound (dB)	Dimensions	Pricing		
								1	10	100
207993	ValuePro	SL15R3120LA	12/250	6 - 16	3500	105	2.3"L x 1.8"W x 1.6"H	\$3.95	\$3.59	\$3.25



RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

JAMECO ValuePro

Square Flat Element Speakers

- Excellent for alarms or other voice uses
- Stainless steel diaphragm

* Web Code: XAE

Part No.	Cross Ref.	Dimensions (Dia. " x D")	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Element Size (Dia. " x H")	Pricing		
			Nom (W)	Max (W)					1	10	100
34025	GSP02-R	1.2 x 0.2	0.4	0.8	8	70	1300 - 8000	1.2 x 0.1	\$2.75	\$2.49	\$2.25
76030	AZ40S	1.6 x 0.2	0.4	0.8	8	70	600 - 6000	1.6 x 0.1	1.75	1.59	1.39
673766	AZ50S	1.9 x 0.2	0.4	0.8	8	70	500 - 6000	1.9 x 0.1	1.25	1.09	.89



JAMECO ValuePro

Alnico Round, Square and Rectangular Speakers

* Web Code: EAL

Part No.	Product No.	Fig.	Dimensions (Dia. " x D")	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
				Nom (W)	Max (W)					1	10	100
111588	B0102	1	1.7 x 0.6	0.1	0.3	8	83	500 - 5500	0.5 x 0.4	\$2.75	\$2.49	\$2.25
88411	A0200	2	2.0 x 0.8	0.2	0.4	8	87	430 - 4500	0.5 x 0.4	2.49	2.29	1.95
2146388	TR057A-R	2	2.25 x 0.77	0.25	0.5	8	84	300 - 14000	0.5 x 0.4	2.75	2.49	2.25
1954834	NMB-0030*	2	1.8 x 0.5	0.5	1.0	8	87	550 - 6000	0.9 x 0.2	1.75	1.49	1.25
1950972	I-826-219 #	4	8.2Lx2.2Wx2.0H	1.0	13.0	8	95	30 - 20000	1.5 x 2.8	3.49	3.25	2.95
135812	A1527C02	3	1.6Lx2.8Wx1.2H	2.0	5.0	8	82	450 - 20000	0.5 x 0.5	4.25	3.85	3.49
2115442	K7048202	3	1.6Lx2.8Wx0.9H	3.0	3.0	8	82	310 - 12000	0.87 x 0.29	2.49	2.25	1.95
2081220	TP-252†	2	2.6 x 0.875	0.5	1.0	16	89	400 - 4000	0.9 x 0.5	1.25	1.19	.99
1954826	R11-49†	1	2.9 x 1.2	0.5	1.0	16	89	300 - 7500	0.9 x 0.4	1.25	1.19	.99
1954842	609-0033†	3	3.6Lx2.0Wx1.5H	1.0	3.0	16	89	200 - 3000	0.9 x 0.7	1.49	1.25	1.09
1954851	R-A162†	1	4.0 x 1.5	1.0	2.0	16	89	200 - 3500	0.9 x 0.6	1.95	1.75	1.49
307820	UF1082	5	1.73 x 0.275	0.5	1.0	40	80	200 - 6000	0.8 x 0.1	1.75	1.49	1.25

* Pair of lead wires (2) 11"/10" # Sony LCD plasma replacement speaker (actual size: 6"H x 2.15"W x 1.94"D) † With lead wires

- For computer case use
- Paper diaphragm
- Large magnet
- Wide frequency response
- Pre-tinned solder lugs

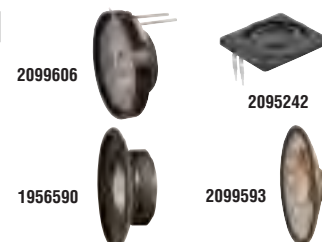


JAMECO ValuePro

Micro Round and Rectangular Speakers

* Web Code: TBX

Part No.	Product No.	Dimensions (Dia. " x D")	Input (W)		Impedance (Ω)	Magnet Size (Dia. " x H")	Output SPL (dB)	Frequency Range (Hz)	Pricing		
			Nom.	Max.					1	10	100
2099606	SP801W	1.05 x 0.35	0.1	0.2	8	0.67 x 0.17	78	320 - 7500	\$1.49	\$1.25	\$1.09
2158215	MR-01W	2.25 x 0.43	0.1	0.2	8	0.75 x 0.18	84	460 - 7000	1.49	1.25	1.09
2095242	35CS088-M75NA	1.4Lx1.3Wx0.2H	0.2	0.3	8	0.44 x 0.10	80	550 - 6700	1.25	1.09	.95
1956590	TR-050F-R	2.00 x 0.70	0.5	1.0	16	1.25 x 0.34	85	500 - 5000	1.09	.99	.89
138861	GC0201	0.80 x 0.169	0.1	0.2	32	0.26 x 0.06	78	800 - 7000	1.09	.85	.65
2099593	SP452W	2.25 x 0.5	0.1	0.2	45	0.68 x 0.17	86	150 - 9000	.99	.85	.69



JAMECO ValuePro

Round Ferrite Speakers

* Web Code: TAT

Part No.	Manufacturer	Product No.	Dimensions (Dia. " x D")	Input (W)		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
				Nom.	Max.					1	10	100
135589	ValuePro	FE200	2.0 x 0.7	0.2	0.4	8	83	420 - 5000	1.3 x 0.4	\$1.95	\$1.75	\$1.49
10840	ValuePro	FE201	2.2 x 0.7	0.2	0.4	8	88	400 - 4500	1.3 x 0.4	2.49	2.25	1.95
320362	ValuePro	TR-057F-R	2.0 x 0.7	0.25	0.5	8	86	900 - 9000	1.3 x 0.25	1.95	1.75	1.49
2081254	Star	FR-05202-01	2.0 x 1.15	3.0	5.0	8	85	100 - 5000	1.6 x 0.5	2.75	2.49	2.25
2158223	Regal	RF-10W	4.1 x 2.3	10	20	8	90	1000 - 15000	2.8 x 0.8	9.95	8.95	7.95
1954800	Regal	R-F163†	3.0 x 1.3	1.5	3.0	16	89	200 - 3000	1.8 x 0.4	1.25	1.19	.99
2099585	ValuePro	RF-608E	2.2 x 0.7	0.1	0.2	48	86	300 - 3000	1.3 x 0.4	1.25	1.19	.99
2081844	ValuePro	20-220-NSR†	2.0 x 0.7	0.1	0.2	50	86	300 - 3000	1.3 x 0.4	1.49	1.25	1.09

† With lead wires

- Pre-tinned speaker lugs
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm
- Large magnet



JAMECO ValuePro

Square Ferrite Speakers

- Pre-tinned speaker lugs
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm
- Large magnet

* Web Code: EDT

Part No.	Manufacturer	Cross Ref.	Dimensions (Dia. " x D")	Input (W)		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
				Nom.	Max.					1	10	100
99996	ValuePro	FEB204	2.6 x 0.9	3.0	4.0	4	95	300 - 14000	1.8 x 0.5	\$2.95	\$2.75	\$2.49
135694	ValuePro	FEB200	2.0 x 0.7	0.2	0.3	8	82	500 - 6000	1.3 x 0.5	2.25	2.09	1.89
2167285	ValuePro	1-529-483-11	3.0 x 2.25	4.0	5.0	8	85.7	180 - 10000	2.5 x 1.0	6.95	5.95	4.95
1954818	ValuePro	TQ-100F-R	4.0 x 1.4	5.0	5.0	8	97	800 - 10000	1.8 x 0.5	3.25	2.95	2.59
31959	ValuePro	FEB216	2.6 x 0.8	0.2	0.4	16	85	330 - 8000	1.3 x 0.5	2.69	2.39	2.15



30mm PCB Mountable Speakers

- Ideal for PC board mounting
- Power (nominal/max.): 0.15W/0.2W
- Mylar diaphragm
- Solder leads

135722

Part No.	Size (H x Dia.)	Impedance	Pin Spacing	Freq. Range	SPL (dB)	1	10	100
2095234	0.57" x 1.24	8 Ω	0.69"	700-4kHz	82 ..	\$1.25	\$1.09	\$0.99
135722	0.50" x 1.17"	8 Ω	0.59"	700-5kHz	82	1.49	1.25	.99
2099817	0.47" x 1.16"	100 Ω	0.58"	1.1kHz \pm 20%	95 .....	.99	.85	.65



Rare Earth Magnet Speaker

- Input watts: 3W nominal, 4W maximum
- Impedance: 8 Ω (\pm 15%) @ 850Hz
- Output SPL (dB): 85dB (\pm 3dB)
- Frequency range: 100Hz to 20kHz
- Distortion: 5% max. @ 1000Hz
- Weight: 0.96 oz.

* Web Code: TBX

Part No.	Mfr. Part No.	Size	1	10	100
2126061	40RE08-1	1.6" Dia. x 1.7"D	\$2.95	\$2.75	\$2.49



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- 1 Aluminum iridite (clear)
- 2 Brass bright tin plate
- 3 Stainless steel
- 4 Zinc clear chromate
- 5 Chrome



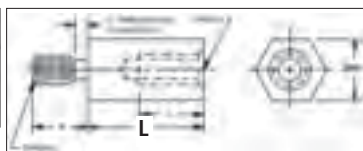
Female (Fig. 1)



Male/Female (Fig. 2)



Hex Female (Fig. 1)



Hex Male/Female (Fig. 2)

*Web Code: TBQ

Hex Male/Female Standoffs

* Order in multiples of 10

.187" Hex 4-40 (Fig. 2) (A: .250"; B: .187")

Part No.	*Mir.	Mir. Part No.	Length of L	Pricing		
				1	10	100
393458	RAF	4501-440AL7 ¹	.250"	\$.45	\$.39	\$.35
393466	RAF	4503-440AL7 ¹	.375"	.45	.39	.35
393474	RAF	4505-440AL7 ¹	.500"	.45	.39	.35
2125202	RAF	4508-440BR7 ²	.709"	*	.15	.12
393491	RAF	4509-440AL7 ¹	.750"	.39	.35	.29
393503	RAF	4513-440AL7 ¹	1.00"	.49	.45	.35

.187" Hex 6-32 Thread (Fig. 2) (A: .375"; B: .250")

Part No.	*Mir.	Mir. Part No.	Length of L	Pricing		
				1	10	100
393546	RAF	4503-632AL7 ¹	.375"	\$.35	\$.29	\$.25
393554	RAF	4505-632AL7 ¹	.500"	*	.19	.15
393588	RAF	4513-632AL7 ¹	1.00"	.45	.39	.29

.250" Hex 4-40 Thread (Fig. 2) (A: .250"; B: .187")

Part No.	*Mir.	Mir. Part No.	Length of L	Pricing		
				1	10	100
77586	RAF	4530-440AL7 ¹	.250"	\$.35	\$.29	\$.25
77594	RAF	4532-440AL7 ¹	.375"	.45	.35	.19
111756	RAF	4534-440AL7 ¹	.500"	.45	.39	.29
139214	RAF	4536-440AL7 ¹	.625"	.45	.39	.29
139222	RAF	4538-440AL7 ¹	.750"	.49	.45	.35
139231	RAF	4542-440AL7 ¹	1.00"	.55	.49	.45
128566	RAF	4546-440AL7 ¹	1.25"	.65	.59	.49
166546	RAF	4550-440AL7 ¹	1.50"	.75	.69	.59

.250" Hex 6-32 Thread (Fig. 2) (A: .375"; B: .250")

Part No.	*Mir.	Product No.	Length of L	Pricing		
				1	10	100
133542	RAF	4530-632AL7 ¹	.250"	\$.45	\$.39	\$.25
133568	RAF	4532-632AL7 ¹	.375"	.45	.39	.25
77607	RAF	4534-632AL7 ¹	.500"	.45	.39	.25
77623	RAF	4538-632AL7 ¹	.750"	.55	.49	.39
77650	RAF	4542-632AL7 ¹	1.00"	.65	.59	.49
393959	RAF	4542-632B12 ⁴	1.00"	.55	.49	.45
206623	JVP	SP14SS125 ³	1.25"	.69	.65	.59
393968	RAF	4546-632B12 ⁴	1.25"	.75	.69	.59



Round Magnet

Perfect for science, fridge or projects

- 1.23"Dia. x .19"Thick
- Center hole: .375"Dia.
- Material: ceramic



Part No.	Cross Ref. No.	1	10	100
109031	CDM	\$.49	\$.39	\$.25

Hex Female Standoffs

.187" Hex 4-40 Thread (Fig. 1)

Part No.	*Mir.	Product No.	Length of L	Pricing		
				1	10	100
175636	JVP	2052-440S0 ⁵	.187"	\$.29	\$.25	\$.19
133613	RAF	2053-440AL7 ¹	.250"	.29	.25	.19
102796	JVP	14-552 ²	.250"	.39	.35	.29
133640	RAF	2057-440AL7 ¹	.500"	.39	.35	.25
139792	RAF	2058-440AL7 ¹	.563"	.39	.35	.29
133648	RAF	2059-440AL7 ¹	.625"	.29	.25	.19
133656	RAF	2061-440AL7 ¹	.750"	.35	.29	.25
139185	RAF	2065-440AL7 ¹	1.00"	.39	.35	.29

.250" Hex 4-40 Thread (Fig. 1)

Part No.	*Mir.	Mir. Part No.	Length of L	Pricing		
				1	10	100
139193	RAF	2100-440A7 ¹	.250"	\$.25	\$.22	\$.15
77501	RAF	2102-440AL7 ¹	.375"	.29	.25	.19
134763	RAF	2103-440AL7 ¹	.437"	.45	.39	.35
108371	RAF	2104-440AL7 ¹	.500"	.45	.39	.25
393713	RAF	2104-440B1 ⁴	.500"	.35	.29	.25
77519	RAF	2106-440AL7 ¹	.625"	.29	.25	.19
133605	RAF	2108-440AL7 ¹	.750"	.45	.39	.25
139205	RAF	2112-440A7 ¹	1.00"	.39	.35	.29

.250" Hex 6-32 Thread (Fig. 1)

Part No.	*Mir.	Mir. Part No.	Length of L	Pricing		
				1	10	100
77535	RAF	2100-632AL7 ¹	.250"	\$.29	\$.25	\$.19
133591	RAF	2102-632A7 ¹	.375"	.29	.25	.19
77543	RAF	2104-632AL7 ¹	.500"	.35	.29	.25
77552	RAF	2106-632AL7 ¹	.625"	.45	.39	.25
77570	RAF	2108-632AL7 ¹	.750"	.45	.39	.25
77578	RAF	2112-632AL7 ¹	1.00"	.49	.45	.29
143407	RAF	2120-632A7 ¹	1.50"	.59	.55	.39
393811	RAF	2120-632B12 ⁴	1.50"	.59	.49	.39
143441	RAF	2124-632AL7 ¹	1.75"	.79	.69	.59



SAE Hardware

- Zinc-plated steel

*Web Code: JNN

Phillips Round Head Machine Screws

Part No.	Screw Size	Thread	Length (in.)	100 piece multiples	
				100	1000
2095111	6-32	Std	.197	\$.018	\$.015
2082978	6-32	Std	.250	.019	.016

Phillips Button Head Sheet Metal Screw

Part No.	Screw Size	Thread	Length (in.)	100 piece multiples	
				100	1000
2100101	6	Std	.375	\$.015	\$.012



SAE Hardware (Cont.)

- Zinc-plated steel

*Web Code: JNN

Slotted Pan Head Machine Screws

Part No.	Screw Size	Thread	Length (in.)	100 piece multiples	
				100	1000
38173	2-56	Std	.250	\$.075	\$.065
2094320	2-56	Std	.375	.045	.038
2094338	2-56	Std	.500	.045	.038
40952	4-40	Std	.250	.025	.018
40970	4-40	Std	.375	.025	.018
106810	4-40	Std	.500	.02	.015
106543	6-32	Std	.250	.015	.012
42446	6-32	Std	.375	.016	.013
42438	6-32	Std	.500	.017	.014
106797	8-32	Std	.500	.025	.018

Phillips Pan Head Machine Screws

Part No.	Screw Size	Thread	Length (in.)	100 piece multiples	
				100	1000
2094354	2-56	Std	.250	\$.06	\$.05
2094371	2-56	Std	.500	.045	.038
2094389	4-40	Std	.250	.03	.025
2094397	4-40	Std	.375	.015	.012
2094400	4-40	Std	.500	.015	.012
2170231	4-40	Std	1.00	.03	.027
2094418	6-32	Std	.250	.019	.015
2094426	6-32	Std	.375	.022	.017
2094434	6-32	Std	.500	.022	.017
2094442	8-32	Std	.250	.02	.016
2094451	8-32	Std	.375	.02	.018
2094469	8-32	Std	.500	.028	.022

Hex Nuts

Part No.	Screw Size	Thread	Diameter (in.)	100 piece multiples	
				100	1000
38165	2-56	Std	.183	\$.045	\$.035
40943	4-40	Std	.243	.04	.03
42420	6-32	Std	.306	.05	.045
51553	8-32	Std	.344	.055	.049

Flat Washers

Part No.	Screw Size	Diameter (in.)	100 piece multiples	
			100	1000
2094725	2	.188	\$.023	\$.018
211131	4	.237	.033	.026
106826	4	.281	.035	.03
106833	6	.373	.035	.03
106842	8	.375	.039	.035

Split Lock Washers

Part No.	Screw Size	Diameter (in.)	100 piece multiples	
			100	1000
106789	2	.172	\$.025	\$.019
40977	4	.242	.022	.017
42463	6	.240	.022	.017
51609	8	.279	.025	.019

Internal Tooth Lock Washers

Part No.	Screw Size	Length (in.)	100 piece multiples	
			100	1000
2094733	2	.200	\$.035	\$.028
106850	4	.258	.025	.019
106868	6	.277	.022	.018
106877	8	.323	.025	.022

*RAF Electronic Hardware — Web Code RHS

*RAF = RAF Electronic Hardware | JVP = Jameco ValuePro

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Hardware, Mounting Brackets & Rubber Feet

JAMECO ValuePro

Zinc-Finished Steel Metric Screws

- Zinc-plated to prevent corrosion
 - High-quality steel
 - Ideal for Mean Well power supply mounting
- Pan-Head Phillips Socket-Head Hex

Phillips Pan-Head Machine Screws

*Web Code: MTS

* Order in multiples of 10

Part No.	Screw Size	Dia.	Thread Size	Length	1	10	50	100
2153570	M3-0.5x4	3mm	0.5	4mm	*	\$.19	\$.15	\$.12
2153588	M3-0.5x8	3mm	0.5	8mm	*	.22	.15	.12
2153596	M3-0.5x12	3mm	0.5	12mm	*	.15	.12	.09
2153609	M4-0.7x6	4mm	0.7	6mm	.25	.19	.15	.12
2153617	M4-0.7x10	4mm	0.7	10mm	.25	.19	.15	.12
2153625	M4-0.7x16	4mm	0.7	16mm	*	.15	.11	—

Hex Socket-Head Cap Screws

Part No.	Screw Size	Dia.	Thread Size	Length	1	10	50	100
2153633	M3-0.5x4	3mm	0.5	4mm	\$.35	\$.29	\$.27	\$.25
2153641	M3-0.5x8	3mm	0.5	8mm	.35	.29	.27	.25
2153650	M3-0.5x12	3mm	0.5	12mm	.35	.29	.27	.25
2153668	M4-0.7x6	4mm	0.7	6mm	.35	.29	.27	.25
2153676	M4-0.7x10	4mm	0.7	10mm	.35	.29	.27	.25
2153684	M4-0.7x16	4mm	0.7	16mm	.35	.29	.27	.25

PCB & Fan Mounting Hardware



- Snap "on"
- Nylon

Part No.	Cross Ref.	Size (in.)	Holes	10	100
28337	CS1016	1.2L x 0.6W	.2"	\$.15	\$.12
129252	PCST2	0.9L x 0.4Dia.	.2"/.3" .....	.19	.15
2133755	PCST3C	0.7L x 0.5W	.1"/.2" .....	.08	.06
2133763	PCST4C	0.8L x 0.5W	.1"/.3" .....	.12	.09
156831	CS-10	0.68L x 0.32Dia.	.14" .....	.19	.15
2100064	SR1036*	1.5L x .38Lip	.167" .....	.09	.08

*Rubber



Thumbscrew

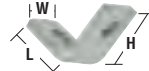
- 6-32 thread
- Aluminum
- Thread length: 3/8"
- Length: 9/16"

*Web Code: VBZ

Part No.	Mfr. Part No.	1	10	100
394063	7125-A	\$.75	\$.65	\$.55

4-40 Mounting Angle Bracket

- Material: zinc plated steel
- Both holes 4-40 threaded



Part No.	Size (L" x W" x H")	1	10	100
1581530	.375 x .25 x .353	\$.29	\$.25	\$.19

See page 32 for Electronic Hardware Cabinet Kit

JAMECO ValuePro

Round Instrumentation Handle

- Nickel-plated ASTM-B16 brass
- 8-32 thread size
- Size: 4.50"L x 1.75"H x 0.25"Dia.

NEW
MARKED IN PINK



Part No.	Cross Ref. No.	Thread Depth	1	10	100
2180164	487	0.562 inches	\$4.95	\$3.95	\$3.49

Mounting Brackets & Accessories for Mean Well Enclosed Switching AC-to-DC Power Supplies

All brackets use metric screws: 2-F3 x 6, 2-F4 x 6, 2-T3 x 6, 2-T4 x 6 and 8-T4 x 6 (not included)

*Web Code: MBM

Part No.	Product No.	For Models	1	10
222122	DRL-01	S-25/40, RS-25/35	\$.99	\$.89
222148	DRL-03	S-240/320, SP-320	2.49	2.25
222173	DRP-03	All Models	1.49	1.25
222182	MHS012	S-320/350, SP-100/150/200/320	.49	.39
222199	MHS025	SP-500, PSP-600	.59	.49
248736	2094.0	DR, DRH, DRP, DRT, MDR	8.95	7.95



See page 112 for more photos and sizes.

Miscellaneous Hardware



Part No.	Description	1	10	100
2100208	Terminal lug, #4 stud washer, 0.470"L (tin)	* \$.09	\$.08	
2099745	Terminal lug, #4 stud washer, 0.465"L	* .09	.08	
2099753	Terminal lug, #8 stud washer, 0.605"L	* .15	.12	
1581572	Terminal lug, #6 stud Lockwasher, 0.865"L	.29	.25	.22
2180164	Handle instrumentation 8-32, 4.5" length	4.95	3.95	3.49

* Order in multiples of 10

JAMECO ValuePro

Adhesive Rubber Feet

These durable, pressure sensitive, adhesive-backed urethane bumpers adhere quickly and resist marring and staining on surfaces and give excellent skid and abrasion resistance.

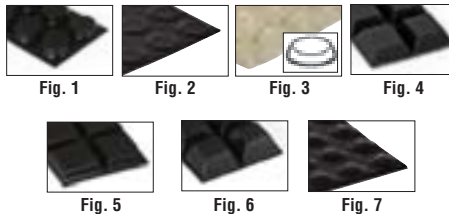


Fig. 1

Fig. 2

Fig. 3

Fig. 4



Fig. 5



Fig. 6



Fig. 7

Part No.	Cross Ref. No.	Type	Fig.	Pack	W" x H"	1	10	50
2119718	BS-34-100BL	Black cylindrical	1	100	.38 x .13	\$3.95	\$3.49	\$2.95
2118897	BS-5-100BL	Black cylindrical	2	100	.50 x .06	3.95	3.49	2.95
142658	SJ5012BLKC	Black cylindrical	1	100	.50 x .14	6.95	5.95	5.49
651911	SJ5312CLR56	Clear cylindrical	3	56	.50 x .14	2.25	1.95	1.75
126981	SJ5023BLK4	Black square tapered	4	4	.81 x .30	.95	.85	.75
142666	SJ5023BLKC	Black square tapered	4	100	.81 x .30	14.95	13.49	12.49
142771	SJ5008BLKC	Black square tapered	5	100	.50 x .12	7.95	5.95	4.95
142682	SJ5018BLKC	Black square tapered	6	100	.50 x .23	10.95	8.95	7.95
2155129	SJ5018WHT	White square tapered	6	80	.50 x .23	9.95	8.95	6.95
2118871	BS-7-100BL	Black hemisphere	7	100	.34 x .09	2.95	2.65	2.25
2081385	GB201	100 assorted sizes & types of bumpers & rubber feet				8.95	7.95	6.95

*Web Code: FAV

JAMECO KitPro

J-Bot v2.0: The Customizable Do-It-Yourself Robot

Provide hours of fun for the beginner or intermediate roboticist in your life!

Build a robot that can roam around freely without supervision. With the included PING))) ultrasonic sensor, the J-Bot can detect objects in its way and drive around them all by itself. Just hook up the included ROMEO microcontroller board and you're ready to program this little robot to perform any of your commands. Romeo microcontroller is compatible with Arduino shields so you can add WiFi, bluetooth or Xbee connectivity, or add music playback, data storage, or even a touch screen display. For step-by-step instructions, visit www.Jameco.com/JBot

Kit Includes: — (1) solderless breadboard — (1) PING))) ultrasonic sensor — (1) 4WD mobile platform — (1) 3-pin extension cable — (1) servo motor
— (1) ROMEO microcontroller — (1) 20 piece hardware kit — (8) AA alkaline batteries — (2) 1/4 hex aluminum spacer — (1) USB 2.0 cable

Kit features: • Arduino compatible MCU with built-in motor control
• 14 digital I/O ports for additional sensors or LCDs

Part No.	Description	Size (L x W x H)	1	5
2157124	J-Bot v2.0	7.9" x 6.7" x 4.1"	\$144.95	\$139.95



*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

3 LEVELS OF SAVINGS
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1.5VDC – 24VDC Motors



Part No.	Manufacturer	Product No.	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency			Efficiency	Terminal Type	Shaft Dia. (in.)	Shaft Length (in.)	Size Dia. x Depth (in.)	Pricing		
						Current (Amps)	Speed (RPM)	Torque (g-cm)						1	10	100
231917	ReliaPro	FE-260-2670	1	1.5	1.5-3	0.66	3700	10.5	42.9	0.12"/solder	0.078	0.314	0.937 x 1.063	\$2.95	\$2.75	\$2.49
238465	ReliaPro	RF-310TA-11400 (CW)	2	2.5	1-6	0.06	2190	3.3	75.0	0.05"/solder	0.078	0.70	0.962 x 0.712	2.95	2.75	2.49
2158442	Nichibo	RF-500TB-18280-R	2	3	1-3	0.17	2104	13.4	60.0	0.07"/solder	0.078	0.34	1.25 x 0.75	2.25	1.95	1.75
238458	ReliaPro	RF-300CA-11400 (CW)	3	3	1-6	0.065	2400	4.3	56.4	3" wires	0.078	0.19	0.96 x 0.491	3.49	2.95	2.65
154915	Jency Motor	ST130-12240-38	4	3	1.5-3	0.17	3588	7.4	55.0	0.09"/solder	0.08	0.37	0.79 x 1.13	2.49	2.25	1.95
1939589	ReliaPro	JF-130RH-15210	5	3	1-4	0.17	4280	5.8	50.0	0.08"/solder	0.08	0.24/0.21	0.79 x 0.98	2.95	2.75	2.49
1951449	ReliaPro	QJT-260-18130	1	3	1.5-4.5	0.46	4780	10.0	40.0	0.12"/solder	0.078	0.314	0.944 x 1.071	2.95	2.75	2.49
231925	ReliaPro	FE-260-2295	1	3	1.5-4.5	0.63	6850	14	53.9	0.12"/solder	0.078	0.314	0.937 x 1.063	2.49	2.25	1.95
154923	Jency Motor	ST-130-22770	4	3	1.5-3	0.95	13200	10.3	40.0	0.09"/solder	0.08	0.37	0.79 x 1.13	2.49	2.25	1.95
211246	ReliaPro	RC-260RA-2670	6	4.5	3-4.5	1.430	15290	21.8	53.0	0.11"/solder	0.08	0.28	0.93 x 1.06	2.49	2.25	1.95
238511	ReliaPro	RF-500TB-12560	7	6	6-12	0.08	2100	11	58.0	0.08"/solder	0.078	0.342	1.259 x 0.767	3.95	3.49	2.95
2173044	Nichibo	RF-500TB-12560	7	6	6-12	0.08	2100	11	58.0	0.08"/solder	0.078	0.342	1.259 x 0.767	3.95	3.49	2.75
231829	ReliaPro	PC-280-16210	8	6	3-12	0.28	4260	18	47.6	0.08"/solder	0.078	0.433	0.944 x 1.200	3.95	3.49	2.95
2158434	Nichibo	RF370CH-22170-R	14	6	1-6	0.45	4787	34.28	63.0	0.15"/solder	0.078	0.19	0.96 x 1.20	1.95	1.75	1.49
231781	ReliaPro	PC-130F-12240	9	6	3-9	0.25	6800	7	33.4	0.08"/solder	0.078	0.377	0.803 x 0.984	3.49	2.95	2.75
232144	ReliaPro	FF-050S-11170-R	10	7	1.5-9	0.17	8500	7	51.3	0.08"/solder	0.059	0.433	0.61 x 1.059	3.49	2.95	2.75
177498	ReliaPro	RC280RA-2485-R	11	7.2	3-14	1.180	14260	33.3	57.0	0.11"/solder	0.08	0.43	0.95 x 1.20	2.95	2.75	2.49
2095533	Mabuchi Motor	RK-270SH-16175	12	9	4.5-18	0.370	6320	32.5	63.7	0.08"/solder	0.08	0.344	0.96 x 1.21	2.95	2.75	2.49
1955669	Canon	DN26-T41NIB	13	12	4-12	0.25	6600	34.33	—	0.11"/solder	0.08	0.30	1.01 x 1.00	1.95	1.75	1.49
174693	ReliaPro	21226-384221-R	14	12	9-14	0.015	3000	85.06	—	0.11"/solder	0.08	0.71	0.97 x 1.19	2.95	2.75	2.49
2144673	Mabuchi	RS555PH-23300	15	12	12-30	0.36	5050	380.3	—	0.19"/quick conn.	0.125	0.50	1.44 x 2.625	4.95	4.49	3.95
231732	ReliaPro	PC-130SF-09480-R	9	12	6-24	0.11	4800	12.3	49.6	0.08"/solder	0.078	0.377	0.803 x 0.984	2.95	2.75	2.49
2158397	ReliaPro	ERS-360S-10420-C3LVX	15	12	5-12	0.16	4000	35	49.0	5" wires	0.09	1.00	1.10 x 1.30	2.49	2.25	1.95
238473	Mabuchi Motor	RF-370CA-15370	16	12	3-12	0.17	4840	187	75.0	0.08"/solder	0.078	0.346	0.960 x 1.213	3.49	2.95	2.75
206949	Nichibo	QJT360S14280	17	12	9-30	0.35	4930	44.5	52.0	0.11"/solder	0.09	0.45	1.09 x 1.30	3.49	2.95	2.75
2155250	Nichibo	MD3BN-14280-R51-R	17	12	6-18	0.268	5260	36.2	63.0	0.11"/solder	0.09	0.45	1.09 x 1.30	2.49	2.25	1.95
2155153	Nichibo	PC260SB-10400-NR/38-R	5	12	1.5-15	0.053	4719	97.6	55.0	0.08"/solder	0.08	0.23	0.72 x 1.06	2.49	2.25	1.95
2160059	Maxon	313735 (110960)	20	12	—	0.06	8020	144.79	75.0	23" wires	0.117	0.47/0.42	1.02 x 1.76	9.95	8.95	7.95
231896	ReliaPro	FE-260-08450	1	12	6-12	0.11	5560	10.3	46.6	0.12"/solder	0.078	0.314	0.937 x 1.063	2.95	2.75	2.49
2167681	Nichibo	DC-130SB-10410-R	22	12	6-12	0.20	5624	18.17	47.0	Plug-in	0.09	0.519	0.78 x 1.00	2.95	2.59	2.25
232005	ReliaPro	UC-280S-19160-R	9	12	6-12	0.57	9000	46.6	63.4	0.08"/solder	0.078	0.47	0.944 x 1.20	2.95	2.75	2.49
2167592	Nichibo	LS5BFN-2465-R	15	12	6-18	0.75	7205	83.3	72.0	0.11"/solder	0.09	0.54	1.09 x 1.48	3.25	2.95	2.59
1810099	Mabuchi Motor	FK-260SA (14280)	5	12	12-24	0.063	8600	14.8	55.0	0.08"/solder	0.08	0.43	0.96 x 1.06	1.75	1.49	1.25
2081895	Mabuchi Motor	FC-280ST-18180*	9	12	8-15	0.16	9700	54.3	59.08	Wire/push-in	0.08	0.45	0.95 x 1.32	1.49	1.25	.95
232022	ReliaPro	MD5-1885-R	15	12	6-18	0.74	9820	53.5	60.7	0.11"/solder	0.091	0.622	1.082 x 1.279	3.25	2.95	2.65
232040	ReliaPro	MD5-2070-R	15	12	6-12	1.30	12586	52.0	62.7	0.12"/solder	0.091	0.48	1.082 x 1.279	2.95	2.75	2.49
232047	ReliaPro	MD5-2445	15	12	6-12	2.05	19850	79.7	66.0	0.12"/solder	0.091	0.622	1.082 x 1.279	3.25	2.95	2.75
2167437	Johnson Electric	HC970	21	12	12-18	0.5	4500	46.54	60.0	0.19"/solder	0.025	0.90	2.0 x 2.7	14.95	13.49	11.95
2167699	Nichibo	775-8511FDAS-R	15	14.4	6-14.4	18.05	17606	1.03	73.0	0.19"/solder	0.19	0.74	1.77 x 2.59	11.95	10.49	8.95
2167672	Nichibo	MS5N-07500B-R	15	24	12-24	0.061	2475	25.39	47.0	0.11"/solder	0.09	0.748	1.10 x 1.279	3.49	2.95	2.49
2158389	ReliaPro	RS555-2580	15	24	12-24	0.15	6500	949	61.8	0.21"/solder	0.125	0.75	1.40 x 2.25	5.95	4.95	3.95
232101	ReliaPro	MD5-1980AS-AA	18	24	12-24	1.43	22600	88.5	60.9	0.24"/solder	0.091	0.512	1.083 x 1.279	3.25	2.95	2.75
2120461	Mabuchi Motor	RS385PH-10280	15	24	—	0.126	3538	4.54	55.6	0.11"/solder	0.09	0.64	1.15 x 1.5	2.49	2.25	1.95

*Reverse

Hi-Torque

*Web Code: FBN

237391	ReliaPro	29SYT003	19	13.5	13.5	13	18000	509	—	Quick connect	0.125	1.003	1.141 x 2.283	\$8.95	\$7.95	\$6.95
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36VDC Planetary Gear Head Motors

*Web Code: KBB

- No load speed: 9800 RPM; nominal speed – 7000 RPM
- Nominal torque: 5.98mNm
- Nominal current: 175mA; starting current – 599mA
- 3.5" lead wires



Part No.	Mfr. Part No.	Gear Head Reduction	Dimensions (Dia. x L")			Pricing		
			Motor	Gear Head	Shaft	1	5	25
2158400	314436	19:1	0.861 x 1.2	0.862 x 1.18	0.157 x 0.454	\$29.95	\$26.95	\$24.95
2158418	314560	84:1	0.861 x 1.2	0.862 x 1.46	0.157 x 0.454	29.95	26.95	24.95

BEST SELLING ROBOTIC CHASSIS

2114520



Part No.	Description	1	5
2114520	Tracked vehicle chassis	\$19.95	18.95
2143865	4 wheel drive mobile platform	49.95	46.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

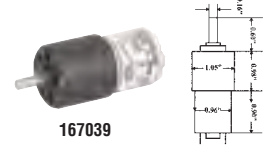
6, 12 & 24VDC Reversible Gear Head Motors

* Web Code: KBB

- Solder-type terminal
- High torque construction
- Dielectric strength: 300VDC
- Insulation resistance: 10MΩ
- Oil bearing design for long service life

HN27GD Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	5	25
167039	GH12-0953Y	12	4.5 - 24	90	9	1200	188:1	1.1 x 1.0	1.0 x 0.9	.16 x .60	\$18.95	\$16.95	\$15.25
249480	GH12-1213Y7-0	12	4.5 - 24	51	90	460	70:1	1.1 x 0.6	1.0 x 0.9	.16 x .60	19.95	18.95	17.95
167047	GH12-1828Y	12	4.5 - 24	195	31	1300	90:1	1.1 x 0.8	1.1 x 1.3	.16 x .60	23.95	21.95	19.95



167039

HN27GD Series

GH30GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	5	25
153438	GH12-1045Y	12	3.0 - 12	90	13	800	200:1	1.1 x 0.6	0.9 x 1.0	.16 x .70	\$15.95	\$14.95	\$13.95
170642	GH12-1828Y-10	12	6.0 - 24	105	8	3500	332:1	1.2 x 0.9	1.2 x 1.2	.16 x .70	22.95	19.95	17.95
159418	GH12-1921Y	12	4.5 - 12	200	25	2000	132:1	1.2 x 0.9	1.2 x 1.2	.16 x .70	21.95	19.95	17.95
162191	GH12-1324Y225	12	4.5 - 12	145	190	300	30:1	1.1 x 0.6	1.0 x 0.9	.16 x .70	17.95	15.95	13.95

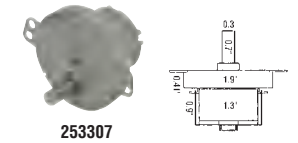


159418

GH30GM Series

32GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	5	25
2146505	B32-6V3.1RPM	6	90	3	7350	340:1	1.9 x 0.41	1.3 x 0.9	1.3 x 0.9	.28 x .87	\$17.95	\$15.95	\$13.95
253323	B32-6V7RPM	6	40	6	1500	176:1	1.9 x 0.41	1.3 x 0.9	1.3 x 0.9	.30 x .70	12.95	11.49	9.95
253307	32-002	6	38	8	1200	150:1	1.9 x 0.41	1.3 x 0.9	1.3 x 0.9	.30 x .70	17.95	15.95	13.95

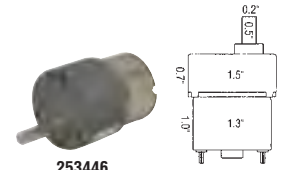


253307

32GM Series

38GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
											1	5	25
253534	38-010	12	97	24	7500	250:1	1.46 x 1.0	1.3 x 0.9	1.3 x 0.9	.24 x .50	\$16.95	\$14.95	\$13.49
253518	38-008	12	87.5	40	4800	150:1	1.46 x 1.0	1.3 x 0.9	1.3 x 0.9	.24 x .50	14.95	13.49	11.95
253500	38-007	12	82	60	3200	100:1	1.46 x 0.7	1.3 x 0.9	1.3 x 0.9	.24 x .50	17.95	15.95	13.95
253489	38-005	12	76	110	1300	56:1	1.46 x 0.7	1.3 x 0.9	1.3 x 0.9	.24 x .50	14.95	13.49	11.95
253471	38-004	12	74	120	1100	50:1	1.46 x 0.7	1.3 x 0.9	1.3 x 0.9	.24 x .50	14.95	13.45	11.95
253446	38-001	12	61.8	600	350	10:1	1.46 x 0.7	1.3 x 0.9	1.3 x 0.9	.24 x .50	17.95	15.95	14.49

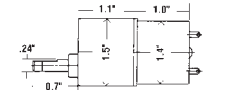


253446

38GM Series

GH35GM Series Plastic Gears

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	5	25
155012	GH12-1926Y	12	4.5 - 12	250	2	6000	3000:1	1.4 x 0.9	1.3 x 1.0	.23 x .90	\$24.95	\$22.49	\$19.95
155821	GH12-1830Y-P	12	4.5 - 12	220	4.5	4500	1000:1	1.4 x 0.9	1.3 x 1.0	.23 x .90	23.95	21.95	18.95
155839	GH12-1641T-L	12	3.0 - 12	250	20	3000	270:1	1.4 x 0.8	1.3 x 1.0	.23 x .90	25.95	22.95	19.95
152911	GH12-1926Y	12	4.5 - 12	172	40	2370	100:1	1.4 x 0.6	1.3 x 1.2	.24 x .90	24.95	22.49	19.95
155855	GH12-1641T-F	12	3.0 - 12	250	71	1000	60:1	1.4 x 0.6	1.3 x 1.0	.23 x .90	24.95	22.49	19.95
151441	GH12-1632TI	12	4.5 - 12	275	57	2200	100:1	1.4 x 0.6	1.3 x 1.0	.23 x .90	23.95	22.95	21.95
155863	GH12-1926Y-F	12	4.5 - 12	300	70	1000	60:1	1.4 x 0.7	1.3 x 1.0	.24 x .70	22.95	21.95	19.95
161374	GH12-1345T	12	4.5 - 12	185	116	650	30:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	23.95	21.95	19.95
161382	GH12-1634T	12	4.5 - 12	293	145	850	30:1	1.4 x 0.6	1.3 x 1.0	.23 x .90	24.95	22.49	19.95
164786	GH12-1640Y	12	4.5 - 24	120	220	180	10:1	1.4 x 0.6	1.3 x 1.1	.23 x .90	24.95	22.49	19.95
176050	GH12-1640Y00	24	12 - 24	340	1.8	6000	3000:1	1.4 x 1.0	1.3 x 1.0	.23 x .90	23.95	21.95	19.95
176032	GH24-1640Y06	24	12 - 24	340	50	2000	90:1	1.4 x 0.6	1.3 x 0.9	.23 x .90	25.95	22.95	19.95
176023	GH24-1640Y19	24	12 - 24	340	148	1000	30:1	1.4 x 0.6	1.3 x 0.9	.23 x .90	25.95	22.95	19.95



155012

GH35GM Series

GH35GM Series Metal Gears

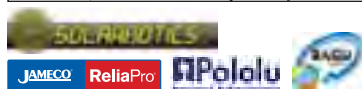
Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
											1	5	25
2150491	GA25Y37050-75	6	2.0 - 7.5	350	133	8800	75:1	.98 x 0.9	.97 x 1.2	.16 x .38	\$12.95	\$11.95	\$10.95
2150504	GA25Y370-34	6	2.0 - 7.5	350	293	4000	34:1	.98 x .83	.96 x 1.2	.16 x .38	12.95	11.95	10.95
155013	HN-GH12-1632T-R-M	12	4.5 - 12	250	2	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	23.95	21.95	19.95
155822	GH12-1830Y-P-R-M	12	4.5 - 12	250	4.5	4500	1000:1	1.3 x 0.9	1.5 x 1.0	.23 x .90	23.95	21.95	18.95
151442	HN-GH12-1632T-R-M	12	4.5 - 12	275	57	2200	100:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	22.95	20.49	17.95



2150491/2150504

155013

GH35GM Series



Specialty Gear Motors

Part No.	Mfr.	Product No.	Rated Voltage	Operating Range	Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Size (L" x W" x H")	Shaft Size Dia. x Length (in.)	Special Feature	Pricing		
												1	5	25
213488	JRP	SOTYZ-R	120 VAC	100-120 VAC	40	6	6700	-	2 x 2 x 1	0.28 x 0.52	Clockwise rotation	\$12.95	\$11.49	\$9.95
2150432	Dagu	DG01D	4.5 VDC	4.5 VDC	190	90	800	-	2.5 x 1.5 x 0.9	0.21 x 0.31	Motor pair with 90° shaft	6.49	5.95	5.49
2135831	Solarbotics	GM10	6 VDC	3-6 VDC	20	233	228	81	0.82 x 1.14 x 1.0	0.08 x 0.20	Self-centering pager motor	11.95	10.95	9.95
2128219	Pololu	1101	6 VDC	6 VDC	80	320	2200	100	0.94 x 0.39 x 0.47	0.12 x 0.35	Mini Gear motor	15.95	14.95	13.95
400995	Solarbotics	GM8	6 VDC	3-6 VDC	57	78	5500	143	2.17 x 1.89 x 0.91	0.28 x 0.20	Offset/inline plastic gear motor	6.95	6.25	5.75
2136438	Pololu	1447	12 VDC	6-12 VDC	250	80	18000	131	2.71 x 1.45 x 1.45	0.24 x 0.59	64 CPR Encoder	39.95	37.95	35.95



213488

2150432

2135831

2128219

400995

2136438

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

Vibrating Motors & Stepper Motors

3 LEVELS OF SAVINGS
NAME BRANDS HOUSE BRANDS FACTORY OVERRUN

JAMECO ReliaPro

1.3VDC & 3VDC Vibrating Motors

• Typical applications: cellular phones, pagers and toys



Fig. 1

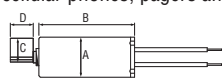


Fig. 1



Fig. 2



Fig. 3



Fig. 4

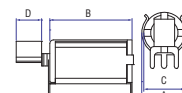


Fig. 4

*Web Code: NBC

Part No.	Cross Ref. No.	Fig.	Operating Voltage (VDC @ mA)	Operating Range (VDC)	Rated RPM @ VDC	Lead Length (in.)	Motor Size (A x B) (Dia. x Depth)	Shaft Size (C x D) (Dia. x Length)	Pricing		
									1	10	100
175062	OTL-7AL	1	1.3 @ 62	0.70 - 1.60	7000 @ 1.3	0.7	0.28 x 0.67	0.10 x 0.18	\$3.95	\$3.49	\$2.95
175396	OTL-4AL	3	1.3 @ 65	0.70 - 1.60	8500 @ 1.3	0.75	0.16 x 0.55	0.15 x 0.23	3.95	3.49	2.95
256306	6ZK003	2	1.3 @ 80	0.85 - 1.60	8500 @ 1.3	1.0	0.23 x 0.39	0.10 x 0.10	2.95	2.65	2.25
2150731	Z4KL2A0030001	2	1.3 @ 80	1.10 - 1.60	9500 @ 1.3	1.0	0.16 x 0.43	0.18 x 0.14	2.49	2.25	1.95
256322	6ZK211	4	1.3 @ 80	0.80 - 1.60	8500 @ 1.3	PC terminal	0.27 x 0.48	0.11 x 0.11	2.75	2.49	2.25
256365	7ZK692	2	3.0 @ 60	2.40 - 3.00	6500 @ 3.0	4.7	0.28 x 0.66	0.18 x 0.22	3.95	3.49	2.95
256382	7ZK681	2	3.0 @ 60	2.40 - 3.60	7500 @ 3.0	1.1	0.28 x 0.66	0.12 x 0.16	3.95	3.49	2.95
256314	6ZK053	2	3.0 @ 75	1.60 - 3.60	8500 @ 3.0	1.0	0.23 x 0.39	0.10 x 0.10	3.25	2.95	2.65
256331	6ZK261	4	3.0 @ 75	2.40 - 3.00	8500 @ 3.0	PC terminal	0.27 x 0.48	0.11 x 0.11	3.25	2.95	2.65

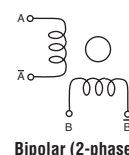
JAMECO ReliaPro

4VDC to 24VDC Bipolar & Unipolar Stepper Motors

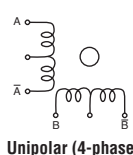
*Web Code: UBN

Jameco offers the industry's widest variety of off-the-shelf two-phase bipolar and four-phase unipolar stepper motors for your precision applications. Be sure to check out the wide selection of 2 to 24VDC models below.

- Ball bearings
- Dielectric strength: 500V, 50Hz/minute
- Insulation resistance: 100MΩ @ 500VDC
- 18" lead wires
- Ambient temp.: -10°C to +55°C
- Use P/N 161998, pg 84, for shaft coupler



Bipolar (2-phase)



Unipolar (4-phase)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11

Part No.	Product No.	Fig.	Drive System	Rated Voltage (VDC)	Step Angle (°)	Phase Resis. (Ω)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Wt. (lbs.)	Pricing		
																		1	5	25
1581231	42BYGHM206-07E	3	Unipolar	4	0.9	8.4	670	10	—	793	1.79	0.08	0.195	0.88	1.67	1.27	0.46	\$21.95	\$19.95	\$17.95
237607	57BYGH001	1	Unipolar	5	1.8	5	1000	—	—	3976	1.86	0.20	0.25	0.83	2.24	1.61	1.10	29.95	26.95	23.95
237825	25BY4801	4	Unipolar	5	7.5	10	500	—	45	110	1.38	0.14	0.08	0.35	0.98	0.56	0.07	9.95	8.95	7.95
237737	42BY48H08	9	Unipolar	5	7.5	9.1	550	—	130	630	1.95	0.14	0.12	0.39	1.65	0.87	0.28	11.95	10.95	9.95
237631	57BYGH803	1	Unipolar	6.3	1.8	4.2	1500	—	—	14276	1.86	0.20	0.25	0.83	2.24	2.99	2.43	49.95	44.95	39.95
2138812	35BY48I030-01	5	Unipolar	7	7.5	20	350	11	125	450	1.59	0.12	0.078	0.47	1.37	0.85	0.22	8.95	7.95	6.95
224022	42BYG016	6	Unipolar	12	1.8	75	160	40	150	900	1.73	0.10	0.20	0.70	1.70	1.30	0.50	21.95	19.95	17.95
155433	42BYG228	6	Unipolar	12	1.8	30	400	23	220	2000	1.73	0.10	0.20	0.90	1.70	1.50	0.50	20.95	18.95	16.95
237543	57BYG007	2	Unipolar	12	1.8	32	380	30	—	2957	1.86	0.20	0.25	0.83	2.29	1.61	1.00	26.95	23.95	19.95
238538	42BYGH404	7	Unipolar	12	1.8	30	400	25	250	3200	1.22	0.10	0.20	0.95	1.67	1.89	0.60	21.95	19.95	17.95
162027	57BYG084	2	Unipolar	12	1.8	20	600	22	725	6000	2.65	0.20	0.25	1.00	2.20	2.00	1.30	35.95	32.25	28.95
238115	35BY48B08	8	Unipolar	24	7.5	75	320	38	65	270	1.65	0.13	0.08	0.35	1.38	0.59	0.15	8.95	7.95	6.95
237729	42BY48H07	9	Unipolar	24	7.5	85	280	78	130	780	1.95	0.14	0.12	0.39	1.65	0.87	0.27	6.95	5.95	4.95
2120479	RDS3000	10	Bipolar	4	1.8	4	1000	10	—	3600	1.21	0.09	0.195	0.312	1.67	1.62	0.40	19.95	17.95	15.95
237490	39BYG001	6	Bipolar	5	1.8	5	1000	—	150	1800	1.22	0.10	0.20	0.91	1.54	1.34	0.44	21.95	19.95	17.95
237578	57BYG061	2	Bipolar	6	1.8	12	500	24	—	3569	1.86	0.20	0.25	0.83	2.29	1.61	1.00	34.95	31.95	28.95
237519	42BYG017	6	Bipolar	6.3	1.8	15	420	16	150	1400	1.22	0.10	0.20	0.51	1.67	1.34	0.50	21.95	19.95	17.95
2158531	STP-42D201-37†	11	Bipolar	12	1.8	1.55	8000	5	163	3.2	1.22	0.15	0.19	0.68	1.65	1.49	0.60	14.95	13.49	11.95
155460	42BYG023*	6	Bipolar	12	1.8	30	400	36	220	2100	1.73	0.10	0.20	0.60	1.70	1.30	0.50	21.95	19.95	17.95
237472	39BYG401A	6	Bipolar	12	1.8	30	400	32	200	2100	1.22	0.10	0.20	0.95	1.54	1.34	0.44	21.95	19.95	17.95
2158557	M25SP-5N*	11	Bipolar	24	7.5	12	550	—	177	183	1.25	0.27	0.08	0.22	1.25	0.53	0.06	7.95	6.95	6.25

*155460: Dual shaft † Mfr.: 2158531: Shimano Kenshi; 2158557: Mitsumi

JAMECO ReliaPro

Spider Couplers

- Used with motors
- 1 set screw per hub
- Hub OD: 0.625" Dia.
- Hub length: 0.56"
- Parts sold individually

162288 (Coupler)



*Web Code: EBE



162000 (Rubber Spider)

Part No.	Description	1	10	100
162288	.125" (3.18 mm) ID hub	\$1.95	\$1.75	\$1.25
161998	.197" (5.00 mm) ID hub	1.95	1.75	1.25
162270	.250" (6.35 mm) ID hub	1.95	1.75	1.25
162000	Rubber spider	1.75	1.49	1.19

CLIMAX

Spider Shaft Coupler

- 2 set screws (10-32 x 1/8)
- Size: 0.75" L x 0.5" OD

*Web Code: EBE



Part No.	Description	1	5	25
138288	.250" ID sleeve coupler	\$6.95	\$6.25	\$5.59

*Thrust Bearings — Enter Web Code THW

HARDWARE GRAB BAGS

JAMECO ValuePro

10-Pc Gear Assortment

- Polyethylene resin
- Gears are 0.147" bore size
- Bushings are 0.07" bore diameter
- T10, T20, T30, T40, T50 and bushing



Part No.	Description	1	5	25
1810072	Gear set — 10 pieces	\$7.95	\$6.95	\$6.25

*Gears — Enter Web Code PEF

P/N 171571 \$6.95
P/N 171635 15.95



RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



2-Amp Dual-Channel Motor Controller

This motor controller uses the high-power L298N motor driver chip, which allows for direct drive of 2 bidirectional DC motors. It can drive up to 2A of current per motor, and uses a broad brush design to reduce wire resistance.

- Logic input voltage: 6V-12V (at 36mA)
- Drive input voltage: 4.8V-46V (at 2A)
- Max. power dissipation: 25W
- Drive type: dual high-power H-bridge driver
- Operating temperature: -25°C to +130°C

Part No.	Mfr. Part No.	Size (L" x W")	Wt. (oz.)	1	5
2159411	DRI0002	1.9 x 2.1	1.03	\$19.95	\$18.95

KAE Industrial Motion Controllers for Brush, Brushless & Stepper Motors

- 323942:** • For brush-type DC motors with 2 or 3 channel incremental encoders
- P.I.D. Servo control, trapezoidal position profiling, velocity mode, 32-bit resolution
 - Integrated 12 to 48VDC supply power amplifier @ 3A continuous, 6A peak
 - Limit switch inputs, general purpose analog input, PWM, DIR output for use with external amps

- 323951:** • For 3-phase brushless motors with hall effect sensors or conventional DC brush-type motors
- Amplifier capable of driving 6A continuously @ up to 48VDC
 - High current amplifier: 7A continuous, 10A peak, 12 to 48VDC supply
 - Support for linear & circular interpolation using the PIC-SERVO CMC chipset
- 184997:** • Trapezoidal position profiling, velocity mode, up to 50,000 steps/sec.
- Full/half step bipolar chopper drive, 2A per phase, 7.5 to 46VDC supply
 - Integrated indexer and driver for 2 or 4 phase stepper motors

Part No.	Description	Size (L" x W" x H")	1	5
323942	PIC-SERVO motor control board	3.1 x 2.1 x 0.9 ...	\$159.95	\$151.95
323951	PIC-SERVO 3-phase motor control board	3.1 x 3.1 x 0.9	239.95	227.95
184997	PIC-STEP motor control board	3.1 x 2.1 x 0.9	159.95	151.95

* Motor Controllers — Enter Web Code VBA



Hub and 48-Pitch Gear Set

- Low coefficient of friction requires little or no lubrication
- Residual stress removed by annealing process

168284 Includes:

1 each of the following: 10 teeth with $\frac{3}{32}$ " bore size; 14 and 16 teeth with $\frac{1}{8}$ " bore, 20, 24, 30, 36, 44, 54, 66, 84 and 100 teeth with $\frac{1}{4}$ " bore size

Part No.	Description	1	5	25
157104	1/4" bore aluminum mounting hub with set screws	\$8.95	\$7.95	\$6.95
168284	Gear set - 12 pieces (see description above)	39.95	34.95	31.95



16-Pitch Sprocket Set and Chain

- Operates in high humidity and corrosive environments
- Chain links can easily be added or removed to adjust total length
- Chain tension load: 2.0 lbs.

168276: 14-piece sprocket set includes 1 each of the following: 8, 9, 10 teeth with $\frac{1}{8}$ " bore size; 12, 15, 16, 18, 20, 24, 30, 32, 36, 40 and 48 teeth with $\frac{1}{4}$ " bore size

Part No.	Description	1	5	25
157075	Drive chain (12" long)	\$12.95	\$11.49	\$9.95
168276	Sprocket set - 14 pieces (see description above)	29.95	26.95	23.95

RASPBERRY PI ENCLOSURES

The Raspberry Pi microcomputer is quickly becoming the next big thing for electronics hobbyists, and that leads to more accessories and add-ons like these fully functional enclosures made especially for the Raspberry Pi.

Part No.	Mfr. Part No.	Description	1	5
2158653	PP-11593	Pi Plate round enclosure, twist-lock cover, well suited for desktop users, ideal for those needing frequent access of GPIO headers	\$9.95	\$8.95
2158645	PS-11591	Pi Sandwich rectangular enclosure, open on all four sides for direct access, well suited for those needing frequent access to PCB ports	6.49	5.95



High Power Motor Driver

- N-channel MOSFET H-bridge enables bidirectional control one of DC brushed motor
- 15 amps continuous output current per channel without heat sink
- 5.5-30V operating voltage range
- Able to provide 21A continuous current with a heatsink
- Only 2 I/O lines allow for both sign magnitude and locked-antiphase operation
- 5.5V max. logic voltage
- 40kHz max. PWM frequency
- Soldering required

Part No.	Mfr. Part No.	Size (L" x W")	Wt. (gram/oz.)	1	5
2128235	755	0.8 x 1.3	2.8/0.1	\$39.95	\$37.95



Single & Dual-Channel Forward/Reverse DC Brushed Motor Controllers

- Multiple command modes: RS-232, 0-5V analog, or pulse (RC radio)
- Built-in temperature sensors
- Programmable motor acceleration
- Short-circuit, over/undervoltage, overtemperature protection
- Built-in Basic Language programming support

Part No.	Mfr. Part No.	Description	1	5
2152462	SDC2130S	1x40A @ 30V, with USB mode	\$174.95	\$164.95
2152542	MDC2250	2x60A @ 50V, with USB and encoder inputs	324.95	299.95
2152593	HDC2450	2x150A @ 50V, with USB and encoder inputs	649.95	599.95



DC Motor Speed Control Kit

This kit uses Pulse Width Modulation (PWM) to vary the speed of a DC motor and maintain torque.

- For use with motors up to 100VDC/5A max.
- Intermediate level kit
- Total of 35 pieces
- Requires a 5-16VDC supply (Not included, recommend P/N 114825, pg.96)

* Web Code: VBA

Part No.	Cross Ref. No.	Size (L" x W" x H")	1	5
127829	GMC-1102	3.6 x 2.3 x 1.2	\$36.95	\$34.95



USB Stepper Controller & Driver

- Easy to set up; easy to use
- Daisy chainable on a 4 wire bus
- 1 Amp chopper (PWM) drive
- Operates from 9-30V
- USB/RS232/RS485 interface
- Go Left/Right upon switch closure
- 2 direction and 2 limit switch inputs
- Dimensions: 1.0"L x 1.0"W x 0.5"D
- Potentiometer-settable speed and current

* Web Code: VBA

Part No.	Mfr. Part No.	1	5
2123311	Intelli-Inch-LR	\$74.95	\$69.95



4-Ch DC Motor Controller with Encoder Support

- Each channel rated for 4A of stall current
- Built-in control logic allows 2-pin motor control (one pin for speed, one pin for direction)
- Low resistance FET "H" bridges
- Motor supply: 12VDC max.
- Designed for the Rover 5 chassis (P/N 2143865, pg 158)
- Size: 3.75"L x 2.75"W

Includes: Quadrature encoder mixing circuit

Part No.	Mfr. Part No.	1	5
2150539	RS011MC	\$21.95	\$19.95

* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Servo Motors & Solenoids

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN

Servo Motors and Accessories

- + pulse width 1500µsec.
- neutral control system
- Operating voltage range: 4.8V to 6V

Motors

Part No.	Manufacturer Part No.	Oper. Speed (4.8V@no load)	Stall Torque @ 4.8V (kg.cm)	Direction	Operating Angle	Current Drain (mA, idle/ mA no load)	Dimensions (L" x W" x H")	Pricing	
								1	5
2128198	105	.12sec/60°	0.6	Clockwise	—	—	0.8 x 0.3 x 0.8	\$9.95	\$8.95
2150416	RS001A	.12sec/60°	1.5	Clockwise	—	—	1.3 x 0.5 x 1.1	4.95	4.49
2144497	SER0019	.17sec/60°	10	Clockwise	—	150mA	3.2 x 2.4 x 2.4	24.95	22.95
395760	HS-322HD	.19sec/60°	3.0	Clockwise	40°/one side pulse	7.4/160	2.1 x 0.8 x 1.4	14.95	13.49
358635	HS-311	.19sec/60°	3.0	Clockwise	40°/one side pulse	7.4/160	1.5 x 0.8 x 1.1	16.95	15.95
395786	HS-422	.21sec/60°	3.3	Clockwise	45°/one side pulse	8/150	1.6 x 0.8 x 1.4	19.95	18.95
2124980	HS-485HB	.22sec/60°	4.8	Clockwise	45°/one side pulse	8/150	1.6 x 0.8 x 1.5	19.95	17.95
2124971	HS-645MG	.24sec/60°	7.7	Clockwise	45°/one side pulse	8.8/350	1.6 x 0.8 x 1.5	37.95	33.95

* Manufacturer: Pololu Corp.

Accessories

Part No.	Description	1	5
358811	Servo gripper, 1.3" opening (compatible with all servos above)	\$19.95	\$18.95
396279	3 color servo wire (red, black, yellow), 22-20, 50'	15.95	14.49
2177838	12" female-to-female 3-wire servo/sensor cable	1.95	1.75
2143902	24" male-to-female twisted servo extension cable	3.95	3.75

* Web Code: FVD

Serial Servo Controller Module

- Controls 8 pulse-proportional servos
- Receives serially at 2400 or 9600 baud
- Module is addressable, allowing 2 units to share the same line to control a total of 16 servos
- Connections to serial input can be established using a modular jack (P/N 115554, pg 48) or modular adapter from DB9 to RJ11 (P/N 114738, pg 48)
- Size (PCB): 1.9"L x 1.4"W
- One-year warranty

Part No.	Description	1	5
151001	Mini SSC II	\$43.95	\$39.95

* Motor Shield for Arduino — Enter Web Code ARD

6-Ch USB Servo Controller

- 5-16V operating voltage
- USB, TTL (5V) serial & internal scripting
- 0.25µs resolution with built-in speed and acceleration control
- Configure channels as outputs for RC servos, ESCs, digital outputs or analog inputs
- 1kB internal script memory
- Can be daisy-chained
- Free configuration control app for Windows®
- Size: 1.2"L x 0.85"W

Part No.	Mfr. Part No.	1	5
2128180	1350	\$19.95	\$18.95

PARALLAX & Pololu Continuous Rotation Servos

Controlled easily from a BASIC Stamp or SX chip I/O pin using PBASICs or SX/B's PULSOUT commands.

- 4-6VDC @ ~190mA

2128201: 2 ball bearings on the output shaft for reduced friction

2110692/283021: Holds position over 180° range; standard servo

283039: Bidirectional continuous rotation and includes an adjustable potentiometer port to center the servo

Part No.	Mfr.	Mfr. Part No.	Stall Torque @ 6V (oz.-in.)	Size (L" x W" x H")	Weight (oz.)	1	5
2128201	Pololu	1248	66.7	1.7 x 0.8 x 1.6	1.55	\$13.95	\$12.95
283021	Parallax	900-00005	43.1	2.2 x 0.8 x 1.6	1.55	14.95	13.95
283039	Parallax	900-00008	47	2.2 x 0.8 x 1.6	1.50	14.95	13.49
2110692	Parallax	900-00014	19.4	0.9 x 0.37 x 0.61	0.31	17.95	15.95

12VDC & 24VDC Continuous Push/Pull Solenoids



* Web Code: MEJ

Part No.	*Mfr.	Product No.	Type	Volt. (VDC)	Coil Res. (±10%) (Ω)	Power Consump. (W)	Holding Force (lbs. @20°C)	Stroke (in.)	Dimensions Length x Dia. (in.)	Shaft Dia. (in.)	Wt. (lbs.)	Pricing		
												1	5	25
1919385	JRP	SMO-0420S12STD	Open frame-push	12	120	1.2	0.04	0.10	1.4 x 0.5 x 0.4	0.060	0.02	\$12.95	\$11.49	\$9.95
262247	JRP	SMO-0520L12STD	Open frame-pull	12	90	1.6	0.16	0.24	0.8 x 0.6 x 0.5	0.200	0.04	10.95	9.95	8.95
262272	JRP	SMO-0837S12STD	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.08/0.31*	0.21	8.95	7.95	6.95
262167	JRP	SMT-1325L12STD	Tubular-pull	12	36	4.0	0.11	0.47	1.0 x 0.5	0.200	0.05	14.95	13.45	11.95
142464	JRP	SH-T1130L-12VDC	Tubular-pull	12	36	4.0	0.63	0.40	1.6 x 0.4	0.150	0.04	11.95	10.95	9.95
2177555	JRP	SMT-2251L12AA#	Tubular-pull	12	60	10.0	4.00	2.2	2.1 x 1.0	0.470	0.40	15.95	14.49	12.95
215141	JRP	SMT-2251L24AA	Tubular-pull	24	60	10.0	4.00	1.00	3.0 x 1.0	0.440	0.40	16.95	15.49	13.95
149754	JRP	SMT-1325S12A	Tubular-push	12	36	4.0	0.75	0.47	1.9 x 0.5	0.063	0.05	19.95	17.95	15.95
149762	JRP	SMT-1632S12A	Tubular-push	12	21	7.0	1.50	0.24	2.5 x 0.6	0.098	0.10	16.95	15.25	13.75
219203	LEX	191172-001	Stroke-push	12	45	7.3	—	0.125	1.0 x 0.5	0.060	0.10	4.49	3.95	3.59

† Open frame type dimensions: L" x W" x H" * Dual shaft # Non polarized

12VDC Power Solenoid

- 12VDC
- 4Ω coil
- Handles a 225A load
- Intermittent 50% duty cycle
- 1/4-20 copper studs
- Contractors power solenoid
- 2.25" mounting centers
- Size: 1.86" x 3" base

Part No.	Cross Ref. No.	1	5	25
1585645	93285	\$3.95	\$3.49	\$2.95

* JRP = Jameco ReliaPro | LEX = Leduc

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

DC Brushless Tubeaxial Fans & Blowers



Call for additional OEM PRICING – we carry major manufacturers.

DC Brushless Tubeaxial Fans & Blowers



★ 5V Web Code: TAS

★ 12V Web Code: LBZ

mm to Inches Conversion Chart



695050



1581249



2121471



2131952

mm	6	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	70	75	76	80	92	95	94	97	120	125	126	127	150	172
Inches	0.24	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.76	2.95	2.99	3.15	3.63	3.74	3.70	3.82	4.72	4.92	4.96	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
2134088	Adda	AD2005DB-K70	5	20 x 20 x 6	0.4	Ball	60	0.30	CE	12	5.5"	\$5.95	\$5.39	\$4.79	\$4.39
2095277	Adda	AD2005LX-G70	5	20 x 20 x 10	0.6	Hypro	80	0.4	UL/CUL/CSA/TUV/CE	20	5.5"	5.95	4.95	3.95	2.95
2131872	Adda	AD0205MX-K53-LF	5	25 x 25 x 6	2.2	Hypro	120	0.6	UL/CUL/TUV/CE	26	6" ¹	8.95	7.95	6.95	5.95
131247	Adda	AD0205LX-G50	5	25 x 25 x 10	1.8	Sleeve	100	0.5	UL/CSA/CE	15.6	5.5"	9.95	8.95	7.95	7.49
695050	Sunon	GM0502PFV2-8	5	25 x 25 x 10	3.0	Vapo	80	0.4	UL/CUL	16	5.5"	10.95	9.95	8.95	7.95
1708481	Sunon	KDE0502PHB3-8 (MS)	5	25 x 25 x 15	1.8	Ball	80	0.4	UL/CUL	16	4"	7.95	6.95	6.25	5.59
2131899	Adda	AD0305LX-K70-LF	5	30 x 30 x 6.8	2.5	Hypro	90	0.45	UL/CSA/TUV/CE	20	6"	3.95	3.49	2.95	2.49
1928311	Adda	AD0305LB-K70	5	30 x 30 x 6.8	2.5	Ball	60	0.3	UL/CUL/TUV/CE	30	6"	3.95	3.49	2.95	2.49
2099497	Adda	AD0305MX-K70	5	30 x 30 x 6.8	3.3	Hypro	120	0.6	UL/CSA/TUV/CE	27.9	5.5"	3.95	3.49	2.95	2.49
1951211	Sunon	KDE0503PEV1-8 (MSN)	5	30 x 30 x 6.8	4.9	Vapo	180	0.9	UL/TUV/CE	28	6"	3.95	3.49	2.95	2.49
1951220	Sunon	KDE0503PEB3-8 (MSN)	5	30 x 30 x 6.8	4.9	Ball	180	0.9	UL/TUV/CE	28	6"	3.95	3.49	2.95	2.49
1950534	Sunon	KDE0503PFB1-8V	5	30 x 30 x 10	5.1	Ball	180	0.7	UL/TUV	22.5	5"	7.95	6.95	6.25	5.59
2095293	Adda	AD305HB-D50	5	30 x 30 x 15	3.7	Ball	130	0.65	UL/CUL/TUV/CE	22.5	11"	4.95	4.49	3.95	3.49
2134096	Adda	AD3505MX-G53	5	35 x 35 x 10	6.0	Hypro	130	0.65	UL/CUL/TUV/CE	30	5.5" 1	5.95	5.39	4.79	4.39
1708457	Sunon	KDE0504PEB3-8 (MS)	5	40 x 40 x 6.8	3.5	Ball	90	0.45	UL/CUL/TUV	20	6"	4.95	4.49	3.95	3.59
2167242	Adda	AD0405LB-K90(S)	5	40 x 40 x 6.8	4.5	Ball/Sleeve	50	0.25	UL/CUL/TUV/CE	19.9	5.4"	10.95	9.95	8.95	8.49
2132031	Adda	AD0405HX-KC3(Y14X)LF	5	40 x 40 x 6.8	5.9	Hypro	60	0.6	UL/CSA/TUV/CE	27	5.5" ¹	5.95	5.25	4.49	3.95
1928353	Adda	AD0405HB-K90	5	40 x 40 x 6.8	6.0	Ball	120	0.6	UL/CUL/TUV/CE	30	5"	5.95	5.25	4.49	3.95
1581249	Sunon	KDE0504PFB3-8	5	40 x 40 x 10	4.6	Ball	70	0.35	UL/CUL	23.5	12"	6.95	6.25	5.59	4.95
2133886	Adda	AD0405LX-G70	5	40 x 40 x 10	4.7	Hypro	80	0.40	UL/CUL/TUV/CE	14	11"	5.95	5.39	4.79	4.39
2138628	Adda	AD0405MB-G70	5	40 x 40 x 10	5.7	Ball	110	0.55	UL/CUL/TUV/CE	20	12"	9.95	8.95	8.49	7.95
2131928	Adda	AD0405MX-G76-LF	5	40 x 40 x 10	5.7	Hypro	110	0.55	UL/CUL/TUV/CE	20	11" ²	5.95	5.25	4.95	3.95
1581265	Sunon	KDE0504PFS1-8	5	40 x 40 x 10	7.0	Sleeve	110	0.6	UL/CUL	27	12"	6.95	6.25	5.59	4.95
2100013	Delta	AFB0405LD-R00	5	40 x 40 x 20	5.6	Ball	210	1.05	UL/CSA/DE/CE	25	13" ²	4.95	4.49	3.49	2.95
1952741	Elina	KDC050420MB	5	40 x 40 x 20	6.8	Ball/Sleeve	210	1.0	UL/CUL/TUV	25.5	12"	5.95	4.95	3.95	3.49
2131910	Adda	AD0405MX-C50-LF	5	40 x 40 x 20	8.1	Hypro	160	0.8	UL/CUL/TUV/CE	27	5.5"	5.95	4.95	3.95	3.49
1951406	Delta	AFB0405HD-R00	5	40 x 40 x 20	8.5	Ball	400	2.0	UL/CUL/TUV/CE	33	12" ¹	6.95	6.25	5.95	4.95
2121471	Adda	AB4505HX-QA [†]	5	45 x 45 x 6	2.1	Hypro	140	0.70	CE	32.6	3.5" ¹	5.95	4.95	3.95	3.49
2095251	Adda	AD4505MX-K90	5	45 x 45 x 6	7.1	Hypro	120	0.6	CE	25.5	5.5"	3.95	3.59	3.29	2.95
2134109	Adda	AD4505HB-K90	5	45 x 45 x 6	9.5	Ball	140	0.70	CE	33	5"	5.95	5.39	4.79	4.39
2134125	Adda	AP0505HB-J90 [§]	5	50 x 50 x 8	6.0	Ball	120	0.60	UL/CUL/CE	30	5"	5.95	5.39	4.79	4.39
136494	Delta	AFB0505LA	5	51 x 51 x 10	7.4	Ball/Sleeve	80	0.4	UL/CE/CSA/VDE	26	11"	6.95	6.25	5.59	4.95
2150774	Adda	AD0505MB-G70-LF	5	51 x 51 x 10	10.5	Ball	180	0.9	UL/CUL/TUV/CE	24	12"	9.95	8.95	8.49	7.95
136283	Elina	KDC050515MB	5	51 x 51 x 15	12.7	Ball/Sleeve	380	4.0	UL/CE/CUL/TUV	28	11"	5.95	5.49	4.95	3.95
2131961	Adda	AD0605MX-D71GL-LF	5	60 x 60 x 15	14.2	Hypro	250	1.25	UL/CSA/TUV/CE	28.8	5"	3.95	3.49	2.95	2.59
2131952	Adda	AD0605MB-D71GL-LF	5	60 x 60 x 15	14.2	Ball	250	1.25	UL/CSA/TUV/CE	28.8	6"	6.95	6.25	5.59	4.95
1809944	Sunon	KDE0506PHB3	5	60 x 60 x 15	15.2	Ball	240	1.2	UL/CUL/TUV/CE	26.5	12"	6.95	5.95	5.25	4.95
2081756	Adda	AD0605HB-D71GL	5	60 x 60 x 15	16.6	Ball	370	1.8	UL/CUL/CE	32	6"	5.95	5.49	4.95	4.49
1951414	Delta	AFB0605HD	5	60 x 60 x 20	16.6	Ball	240	1.2	UL/CUL/TUV/CE	28	12"	6.95	5.95	4.95	3.95
355493	Sunon	KD0506PTS3	5	60 x 60 x 25	15.9	Sleeve	230	1.2	UL/CUL/CE	26.7	6.5" w/conn	3.95	3.59	3.29	2.95
134869	Delta	AFB0605M	5	60 x 60 x 25	16.2	Ball	220	1.1	UL/CE/CSA/TUV	24.5	12"	4.95	4.49	3.95	3.49
2131944	Adda	AD0605HB-A70	5	60 x 60 x 25	23.2	Ball	450	2.25	UL/CUL/TUV/CE	32	11"	4.95	4.49	3.95	3.49
1951078	Mechatronics	F6025E05B2-FS	5	60 x 60 x 25	24	Ball	700	3.5	UL/CUL	36	12" ²	4.95	4.49	3.95	3.49
1951094	Mechatronics	E9225M05B2-FS	5	92 x 92 x 25	44	Ball	560	2.8	UL/CUL	32	12" ²	5.95	4.95	3.95	3.49
1951107	Mechatronics	F1238L05B2-FS	5	120 x 120 x 38	94	Ball	800	4.0	UL/CUL	36	12" ²	6.95	5.95	4.95	4.49
2100363	Adda	AD0212LX-K50-LF	12	25 x 25 x 6	1.8	Hypro	60	0.3	UL/CUL/TUV/CE	20.5	5.5"	4.95	3.95	2.95	2.49
2131881	Adda	AD0212MX-K53-LF	12	25 x 25 x 6	2.2	Hypro	80	0.4	UL/CSA/TUV/CE	23	6" ¹	7.95	6.95	5.95	4.95
2095306	Adda	AD0212MB-K50 (S)	12	25 x 25 x 6	2.4	Ball/Sleeve	90	1.08	UL/CUL/TUV/CE	26	5.5"	11.95	10.95	9.95	8.95
1708449	Sunon	KDE1202PFB1-8 (V)	12	25 x 25 x 10	3.1	Ball	83	1.0	UL/CUL	33	6"	7.95	6.95	5.95	4.95
2133878	Adda	AD0312MX-K70	12	30 x 30 x 6	3.3	Hypro	100	1.20	CE/UL/CUL/TUV	27.9	5.5"	5.95	5.39	4.79	4.39
2133851	Adda	AD0312DX-G50 (GL)	12	30 x 30 x 10	1.8	Hypro	60	0.3	CE	17	5.5"	5.95	5.39	4.79	4.39
2133860	Adda	AD0312DX-G53	12	30 x 30 x 10	1.8	Hypro	60	0.3	UL/CUL/TUV/CE	17	5.5" ¹	5.95	5.39	4.79	4.39
1708465	Sunon	KDE1203PFB2-8 (MS)	12	30 x 30 x 10	4.2	Ball	66	0.8	UL/CUL	25	6"	5.95	5.35	4.79	4.29
212784	Sunon	KDE1203PFB1-8V	12	30 x 30 x 10	5.1	Ball	75	0.9	UL/CUL/TUV/CE/VDE	27	4"	5.95	5.39	4.79	4.29
212783	Sunon	KDE1203PFB1-8	12	30 x 30 x 10	5.1	Ball	75	0.9	UL/CUL/TUV/CE/VDE	27	5.9"	7.95	6.95	5.95	4.95
1928134	Adda	AD0312HB-D50	12	30 x 30 x 15	4.2	Ball	110	1.3	UL/CUL/TUV/CE	22.5	3" w/ conn	4.95	4.49	3.95	2.95

¹ 3 leads; speed sensor

² 3 leads; locked rotor protection

(All fans operate to their specs with or without the additional optional wire functions)

[§] DC chip cooler

[†] Blower

Continued on next page

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2138652



1950446



2131979

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
212741	Sunon	KDE1235PFB2-8	12	35 x 35 x 10	4.5	Ball	60	0.8	UL/CUL/TUV/CE/VDE	21	3" w/ conn	\$9.95	\$8.95	\$7.95	\$6.95
212760	Sunon	GM1235PFV1-8	12	35 x 35 x 10	7.0	Vapo	80	1.0	UL/CUL/TUV/CE	28	6"	12.95	11.49	10.95	9.95
2099500	Adda	AD0412HB-K96 (S)	12	40 x 40 x 6	5.8	Ball	80	0.72	UL/CUL/TUV/CE	31	5.5" ¹	8.95	7.95	6.95	6.25
2162716	Delta	AFB0412HA	12	40 x 40 x 10	4.6	Ball	80	0.4	UL/CSA/VDE/CE	28	8.5" w/ conn	5.95	5.39	4.79	4.29
210797	Sunon	KD1204PFV3	12	40 x 40 x 10	4.9	Vapo	60	0.6	UL/CUL/TUV/CE	24	12"	6.95	6.25	5.59	4.95
2167630	Sunon	HA40101V4-0000-999	12	40 x 40 x 10	5.3	Vapo	65	0.8	UL/TUV/CE	18.2	12"	6.95	6.25	5.59	4.95
2138652	A-Power	FS0412MB#	12	40 x 40 x 10	5.35	Ball	40	0.48	UL/CSA/TUV/CE	22	8" w/ conn	5.95	5.39	4.79	4.29
2133915	Adda	AD0412MX-G70	12	40 x 40 x 10	5.7	Hypro	80	0.96	UL/CUL/TUV/CE	20	11.5"	5.95	5.39	4.79	4.39
1585469	Y.S. Tech	FD1240107B-2N	12	40 x 40 x 10	6.6	Ball	90	1.08	UL/CUL/TUV	29	6"	3.95	3.49	2.95	2.59
1928054	Adda	AD0412HB-G70	12	40 x 40 x 10	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	2.5" w/ conn	4.95	4.49	3.95	3.59
2100380	Adda	AD0412HX-G71-LF	12	40 x 40 x 10	6.7	Hypro	100	1.2	UL/CUL/TUV/CE	25	10"	5.95	4.95	3.95	3.49
290010	Adda	AD0412HB-G70	12	40 x 40 x 10	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	10" w/ conn	5.95	4.95	4.49	3.95
212717	Sunon	KDE1204PFV2.11.MS.AGN	12	40 x 40 x 10	7.0	Vapo	80	1.0	UL/CUL/TUV/CE/VDE	27	12"	6.95	6.25	5.59	4.95
1950139	Sunon	KDE1204PFS2-11	12	40 x 40 x 10	7.0	Sleeve	92	1.1	UL/CUL/TUV/CE	27	12"	3.95	3.49	2.95	2.49
2133923	Adda	AD0412UX-G70	12	40 x 40 x 10	7.0	Hypro	100	1.2	CE	25	11"	6.95	6.25	5.59	4.95
2167234	Sunon	ME40101V1-0000-A99	12	40 x 40 x 10	8.0	Vapo	104	1.25	UL/CUL/TUV	32	12"	7.95	6.95	6.25	5.95
189691	Sunon	KD1204PFS1-11.GN	12	40 x 40 x 10	8.0	Sleeve	60	0.7	UL/CUL/TUV/CE	30	12"	7.95	7.19	6.49	5.79
1708473	Sunon	KDE1204PFVX11.MS.A	12	40 x 40 x 10	9.5	Vapo	150	1.8	UL/CUL/TUV	39	12"	5.95	4.95	4.49	3.95
2162821	Delta	AFB0412HHB	12	40 x 40 x 15	5.7	Ball	90	1.08	UL/CUL/CSA/TUV	35	12"	5.95	5.39	4.79	4.29
2133894	Adda	AD0412HB-D56	12	40 x 40 x 15	9.2	Ball	120	1.44	UL/CUL/TUV/CE	39	11" ¹	5.95	5.39	4.79	4.39
195899	Sunon	KDE1204PKS2	12	40 x 40 x 20	6.5	Sleeve	70	0.9	UL/CSA/TUV	25.5	12"	4.95	4.49	3.95	3.59
2120065	Sunon	KD1204PKB2(2)GN	12	40 x 40 x 20	7.7	Dual ball	62	0.7	UL/CSA/TUV	22	12"	5.95	5.39	4.79	4.29
2151021	Sanyo Denki	109P0412H601	12	40 x 40 x 20	8.0	Ball	110	1.3	UL/CSA	33	7" w/ conn ¹	9.95	8.95	7.95	6.95
2133907	Adda	AD0412MB-C50	12	40 x 40 x 20	8.5	Ball	80	0.96	UL/CUL/TUV/CE	28.5	11"	5.95	5.39	4.79	4.39
687754	Sunon	KDE1204PKSX-8	12	40 x 40 x 20	9.5	Sleeve	90	1.1	UL/CSA	28	11"	5.95	5.39	4.79	4.29
2131864	Adda	AD0412HB-C56-LF	12	40 x 40 x 20	10	Ball	100	1.2	UL/CUL/TUV/CE	36	4.5" w/ conn ¹	5.95	5.39	4.79	3.95
2082100	Sunon	KDE1204PKBX-8	12	40 x 40 x 20	10	Ball	90	1.1	UL/TUV/CE	29.4	4"	7.95	6.95	6.25	5.59
1928118	Adda	AD0412HB-C50	12	40 x 40 x 20	10.5	Ball	100	1.2	UL/CUL/TUV/CE	31.9	12"	8.95	7.95	6.95	6.25
2135380	Adda	AD0412HB-C72GP(P)	12	40 x 40 x 20	10.6	Ball	170	2.4	UL/CUL/TUV/CE	34	12" ²	10.95	9.95	8.95	7.95
1585291	Sunon	GM1204PKVX-A	12	40 x 40 x 20	10.8	Vapo	130	1.6	UL/CUL/CSA	27.5	5"	6.95	6.25	5.59	4.95
2082089	Sanyo Denki	109P0412H302	12	40 x 40 x 28	11.3	Ball	195	2.3	UL/CSA/TUV	37	3.75"	4.95	4.49	3.95	3.59
2095162	Sunon	PMD1204PQBX-A(2)F	12	40 x 40 x 28	23.5	Ball	570	6.8	UL/CE	51.5	3" w/ conn ¹	9.95	8.95	7.95	6.95
1951246	Sunon	PMD1204PQBX-A(2)F	12	40 x 40 x 28	23.5	Ball	570	6.8	UL/CE	51.5	12"	12.95	11.49	9.95	8.95
1951254	Sunon	PMD1204PQBX-A(2)F	12	40 x 40 x 28	23.5	Ball	570	6.8	UL/CE	51.5	12" ¹	11.95	10.95	9.95	8.95
2134141	Adda	AP4512MX-G90\$	12	45 x 45 x 10	5.2	Hypro	60	0.72	UL/CUL/CE	23.8	5"	5.95	5.39	4.79	4.39
1950753	Comair Rotron	CR4512MB-G70	12	45 x 45 x 10	6.9	Ball	70	0.8	UL/CUL/CE/TUV	21.6	12"	5.95	5.49	4.95	3.95
2095322	Adda	AD4512HX-G70	12	45 x 45 x 10	9.1	Hypro	90	1.08	UL/CUL/TUV/CE	27.4	11"	7.95	6.95	6.25	5.59
2100371	Adda	AD0512LX-G70LF	12	50 x 50 x 10	9.0	Hypro	60	0.72	UL/CSA/TUV/CE	20	11"	4.95	4.49	3.95	3.59
1918809	Jamicon	KF0510B1M	12	50 x 50 x 10	9.27	Ball	80	0.8	UL/CUL/TUV/CE	26.6	10.5"	5.95	5.35	4.79	4.29
2095331	Adda	AD0512MS-G70	12	50 x 50 x 10	10.5	Hypro	120	1.4	UL/CUL/TUV/CE	24	11"	5.95	5.35	4.79	4.29
2095349	Adda	AD0512MB-G76	12	50 x 50 x 10	10.5	Ball	120	1.4	UL/CUL/TUV/CE	24	11" ¹	9.95	8.95	7.95	6.95
1950446	Sunon	KD1205PFB1(2)H	12	50 x 50 x 10	11.4	Ball	130	1.6	UL/TUV	34.7	12"	7.95	6.95	6.25	5.59
2155284	Sunon	KDE1205PFVX11.MS.AGN	12	50 x 50 x 10	15.2	Vapo	170	2.0	UL/CUL/TUV/CE	35	12"	7.95	6.95	6.25	5.95
2134117	Adda	AD5012LX-D70	12	50 x 50 x 15	10.4	Hypro	80	0.96	UL/CUL/TUV/CE	22.7	5.5"	6.95	6.25	5.59	4.95
2099534	Adda	AD5012MX-D71	12	50 x 50 x 15	12.6	Hypro	100	1.2	UL/CUL/TUV/CE	29	5.5"	7.95	6.95	6.25	5.59
139601	Adda	AD0512HS-D71	12	51 x 51 x 15	12	Sleeve	100	1.2	UL/CSA/CE	29	5"	5.95	5.39	4.79	4.29
139602	Adda	AD0512HS-D71-LF	12	51 x 51 x 15	12	Sleeve	100	1.2	UL/CSA/CE	29	6"	8.95	7.95	6.95	6.25
2133991	Adda	AD0612LX-G70	12	60 x 60 x 10	10.0	Hypro	120	1.44	UL/CUL/TUV/CE	26	11"	6.95	6.25	5.59	4.95
2095357	Adda	AD0612HB-G70	12	60 x 60 x 10	14.5	Ball	150	1.8	UL/CUL/TUV/CE	32	11"	8.95	7.95	6.95	6.25
1946025	Evercool	EC6010M12CA	12	60 x 60 x 10	15.5	Ball	160	1.9	UL/CE/TUV	30	9" ¹	8.95	7.95	6.95	6.25
2131979	Adda	AD0612HB-D71GL	12	60 x 60 x 15	16.6	Ball	130	1.56	UL/CSA/TUV/CE	32.4	5"	6.95	5.95	5.25	4.95
2121308	Adda	AD0612HB-D70GL	12	60 x 60 x 15	16.6	Ball	130	1.56	UL/CSA/TUV/CE	32.4	11" w/ conn	6.95	5.95	4.95	3.95
687771	Sunon	KDE1206PHS1	12	60 x 60 x 15	21	Sleeve	150	1.8	UL/CSA/TUV/CE	36	11"	4.95	4.49	3.95	3.49
1585400	Sunon	KDE1206PHB1	12	60 x 60 x 15	21	Ball	150	1.8	UL/CSA/CE	37.5	11"	10.95	9.95	8.95	7.95
2167568	Sunon	ME60151V1-0000-A99	12	60 x 60 x 15	25.2	Vapo	160	1.92	UL/TUV/CE	36.2	12"	9.95	8.95	7.95	6.95
144161	Adda	AD0612LB-C70GL	12	60 x 60 x 20	12.6	Ball	80	1.0	UL/CSA/TUV	22.7	12"	9.95	8.95	7.95	6.95
2133982	Adda	AD0612LS-C70(GL)	12	60 x 60 x 20	13.3	Sleeve	80	0.96	UL/CSA/TUV/CE	21.6	12"	5.95	5.39	4.79	4.39
2134002	Adda	AD0612MS-C70GL	12	60 x 60 x 20	14.5	Sleeve	130	1.56	UL/CSA/TUV/CE	25.7	12"	5.95	5.39	4.79	4.39
2134011	Adda	AD0612MX-C70GL	12	60 x 60 x 20	14.5	Hypro	130	1.56	UL/CSA/TUV/CE	25.7	12"	6.95	6.25	5.59	4.95

¹ 3 leads; speed sensor ² 3 leads; locked rotor protection (All fans operate to their specs with or without the additional optional wire functions)

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mm to Inches Conversion Chart

2099446

1585477

1809995

mm	6	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	70	75	76	80	92	95	94	97	120	125	126	127	150	172
Inches	0.24	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.76	2.95	2.99	3.15	3.63	3.74	3.70	3.82	4.72	4.92	4.96	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
1928126	Adda	AD0612HB-C70GL	12	60 x 60 x 20	16.3	Ball	160	1.92	UL/CSA/TUV/CE	31	12"	\$5.95	\$4.95	\$4.49	\$3.95
189595	Sunon	KD1206PKS2	12	60 x 60 x 20	16.5	Sleeve	150	1.8	UL/CSA/TUV/CE	31	12"	3.95	3.49	2.95	2.49
119635	Delta/Fonsan	DFD0612H	12	60 x 60 x 20	17.7	Ball	150	1.3	UL/CE/CSA/VDE	30	12"	6.95	6.25	5.59	4.95
2120073	Sunon	KD1206PKB2(2)F.GN	12	60 x 60 x 20	19	Dual ball	88	1.1	UL/CUL/TUV	29	12" ¹	6.95	6.25	5.59	4.95
114682	Delta	AFB0612VHD	12	60 x 60 x 20	30	Ball	270	2.4	UL/CE/CSA/VDE	39.5	12"	5.95	4.95	3.95	3.49
2155292	Comair Rotron	GDA6025-12BB	12	60 x 60 x 25	18	Ball	140	1.7	UL/CUL/TUV	26.1	12"	7.95	6.95	6.25	5.95
1810101	Japan Servo	TUDC12Z4F-022	12	60 x 60 x 25	19	Ball	140	1.8	UL/CSA/TUV	32	5" w/ conn	4.95	3.95	3.49	2.95
2162847	NMB	2410ML-04W-B30	12	60 x 60 x 25	19	Ball	120	1.4	UL/CSA/VDE/CE	29	12"	7.95	6.95	6.25	5.59
2138695	Sunon	KDE1206PTV2.13.MS.AF.GN	12	60 x 60 x 25	19.3	Vapo	70	0.8	UL/CSA/TUV	29	12" ¹	9.95	8.95	7.95	6.95
2095197	Delta	DFB0612H	12	60 x 60 x 25	19.4	Ball	120	1.4	UL/CE/CSA/VDE	30	12"	6.95	6.25	5.59	4.95
102947	Jamicon	JF0625S1H	12	60 x 60 x 25	20.5	Sleeve	230	2.7	UL/CUL/TUV	33.6	12"	6.95	6.25	5.59	4.95
150422	Jamicon	JF0625B1H	12	60 x 60 x 25	21.4	Ball	230	2.7	UL/CSA/TUV	30.5	10"	8.95	7.95	6.95	6.25
2134387	Adda	AD0612HB-A70GL	12	60 x 60 x 25	23.2	Ball	230	2.76	UL/CSA/TUV/CE	32.3	3.5" w/ conn	4.95	4.49	3.95	3.59
2133974	Adda	AD0612HX-A70GL	12	60 x 60 x 25	23.2	Hypro	230	2.76	UL/CSA/TUV/CE	32.3	12"	6.95	6.25	5.59	4.95
2150766	Adda	AD0612HB-A72GL	12	60 x 60 x 25	23.2	Ball	230	2.7	UL/CUL/TUV/CE	32.3	12" ²	7.95	6.95	5.95	4.95
2158451	Sunon	EB6025S1-0000-999	12	60 x 60 x 25	23.5	Sleeve	156	1.6	UL/CUL/TUV	33.5	12"	8.95	7.95	6.95	6.25
2162839	EBM Papst	TYP612	12	60 x 60 x 25	24	Ball	210	2.5	UL/CSA/TUV	40	12"	9.95	8.95	7.95	6.95
2099526	Adda	AD0612XB-A74GL	12	60 x 60 x 25	31.4	Ball	380	4.56	UL/CSA/TUV/CE	42.9	12" ⁷	7.95	6.95	5.95	4.95
2158311	Delta	AFB0612EH-BF00	12	60 x 60 x 25	38.35	Ball	480	5.76	UL/CSA/CE	46.5	8" w/ conn	11.95	10.95	9.95	8.95
2125561	AVC	DE07015R12U	12	70 x 70 x 15	43	Hydraulic	700	8.4	UL/CE/TUV	46	8" w/ conn	6.95	5.95	4.95	3.95
2099446	Adda	AD7512LB (2A) [†]	12	76 x 76 x 30	6.9	Ball	110	1.32	UL/CUL/TUV/CE	29	15" w/ conn ²	6.95	5.95	4.95	3.95
132951	Shicoh	A0815-12HV	12	80 x 80 x 15	18.4	Ball/Sleeve	200	2.4	—	32	12" ¹	4.95	4.49	3.95	2.95
2099462	Adda	AD0812LB-D70	12	80 x 80 x 15	20	Ball	120	1.44	UL/CSA/TUV/CE	19.6	6" w/ conn	6.95	6.25	5.59	4.95
1708570	Sunon	KD1208PHB1-AH	12	80 x 80 x 15	35	Ball	240	2.9	UL/CUL/TUV/CE	39.5	12"	9.95	8.95	7.95	6.95
2132007	Adda	AD0812HS-D70-LF	12	80 x 80 x 15	38.6	Sleeve	250	3.0	UL/CSA/TUV/CE	33	12"	7.95	6.95	5.95	4.95
2095365	Adda	AD0812XX-D71	12	80 x 80 x 15	39.4	Hypro	350	4.2	UL/CSA/TUV/CE	42	11"	8.95	7.95	6.95	5.95
2134037	Adda	AD0812MS-C70	12	80 x 80 x 20	23.1	Sleeve	160	1.92	UL/CSA/TUV/CE	25.4	11"	8.95	7.95	6.95	5.95
141921	Adda	AD0812HB-C70	12	80 x 80 x 20	27.3	Ball	240	2.9	UL/CSA/CE	34	12"	10.95	9.95	8.95	7.95
2081748	Sunon	KDE1208PKV1.13.MS.A.GN	12	80 x 80 x 20	36	Vapo	130	1.6	UL/CUL/TUV/CE	38	12"	9.95	8.95	7.95	6.95
688597	NMB	3110GL-B4W-B19-PA1	12	80 x 80 x 25	30	Ball	70	1.2	UL/CSA/TUV/CE	22	12" w/ conn ¹	5.95	5.35	4.79	4.29
2125544	Cooler Master	A8025-25BB-3BN-PI	12	80 x 80 x 25	30.8	Dual Ball	150	1.8	UL/CSA/TUV/CE	30.6	12" w/ conn ²	3.95	2.95	2.49	1.95
2151099	Sunon	KDE1208PTV3.13.MS.A.GN	12	80 x 80 x 25	31	Vapo	70	0.8	UL/CUL/TUV/CE	26	12"	7.95	6.95	5.95	5.49
123530	Adda	AD0812MS-A70GL	12	80 x 80 x 25	32	Sleeve	150	1.8	UL/CSA/TUV	28.3	12"	7.95	6.95	6.25	5.59
2125552	Cooler Master	BP802512M	12	80 x 80 x 25	33	Ball	160	1.92	UL/CE/UR	29	12" w/ conn ²	4.95	4.49	3.95	3.59
1955010	NMB	3110KL-04W-B40	12	80 x 80 x 25	35.3	Ball	200	2.40	UL/CSA/TUV/CE	31	13"	6.95	6.25	5.59	4.95
1537387	Sunon	KD1208PTB213.(2).GN	12	80 x 80 x 25	37	Ball	110	1.3	UL/CUL/TUV/CE	32	11.5" w/ conn	6.95	6.25	5.95	4.95
2131995	Adda	AD0812HS-A76GL-LF	12	80 x 80 x 25	38.6	Sleeve	250	3.0	UL/CSA/TUV	33	12" ¹	4.95	3.95	2.95	2.49
2162812	Mechatronics	F8025H12B	12	80 x 80 x 25	39	Ball	145	1.75	UL/CUL/VDE	29	12"	5.95	5.49	4.95	4.49
2135697	Panaflo	FBM-08A12H	12	80 x 80 x 25	39.6	Sleeve	220	2.1	UL/CSA	32	12" w/ conn	6.95	6.25	5.59	4.95
2125835	Globe	B01138812H-3M	12	80 x 80 x 25	39.8	Ball	230	2.76	UL/CSA/TUV/CE	32.6	10" w/ conn ¹	4.95	3.95	2.95	2.49
1585477	Sunon	KD1208PTS1-13	12	80 x 80 x 25	40	Sleeve	160	1.9	UL/CUL/TUV/CE	33	12"	5.95	5.35	4.79	4.49
1950569	Sunon	KD1208PTS1 H.M	12	80 x 80 x 25	40	Sleeve	160	2.6	UL/CE	33	12" ¹	4.95	3.95	3.49	2.95
1708490	Sunon	KDE1208PTB1-13.MS(2)A	12	80 x 80 x 25	41	Dual Ball	150	1.8	UL/CUL/TUV/CE	35	12"	6.95	6.25	5.95	5.59
206181	Sunon	KDE1208PTS1-6	12	80 x 80 x 25	42	Sleeve	220	2.6	UL/CSA/TUV/CE	34	9" w/ conn	7.95	6.95	6.25	5.59
355401	ValuePro	RDH80025B1	12	80 x 80 x 25	42	Ball	230	2.8	UL/CUL/TUV/CE	28.6	12"	8.95	7.95	6.95	6.25
102955	Sunon	KD1208PTB1-6(OC)	12	80 x 80 x 25	42.5	Ball	220	2.6	UL/CUL/TUV/CE	36.5	3.5"	4.95	4.49	3.95	3.49
249148	Sunon	KDE1208PTB1-6(OC)	12	80 x 80 x 25	42.5	Ball	220	2.6	UL/CUL/TUV/CE	36.5	7"	5.95	4.95	3.95	3.49
2120225	Y.S. Tech	FD128025HS	12	80 x 80 x 25	43.7	Sleeve	230	2.76	UL/CSA/TUV	33.5	13"	3.95	3.59	3.29	2.95
2100401	Adda	AD0812UB-A72GL	12	80 x 80 x 25	43.8	Ball	300	3.6	UL/CUL/TUV/CE	40	11" ²	3.95	3.59	2.59	2.25
1809995	Sunon	KDE1208PTBX-6A(318)	12	80 x 80 x 25	50.6	Ball	360	4.3	UL/CUL/TUV/CE	40.5	12"	10.95	9.95	8.95	7.95
2081078	Jamicon	JF0825B1UR	12	80 x 80 x 25	52	Dual Ball	370	4.4	UL/CUL/TUV/CE	40	12"	11.95	10.95	9.95	8.95
2081692	Y.S. Tech	NFD128125BB-2F	12	80 x 80 x 25	59.2	Dual Ball	450	5.4	UL/CUL/TUV	44	20" w/ conn ³	12.95	11.49	10.49	9.49
2151081	Sunon	PMD1208PTB1-A(2).GN	12	80 x 80 x 25	60	Dual Ball	400	4.8	UL/CUL/TUV/CE	47	12"	10.95	9.95	8.95	7.95
107406	EBM Papst	8312GHL	12	80 x 80 x 32	39.4	Sleeve	330	4.0	UL/CE/CSA/VDE	43	12"	7.95	6.95	5.95	4.95

¹ 3 leads; speed sensor ² 3 leads; locked rotor protection ³ 4 leads; wired for Dell proprietary PWM circuit control w/ tach (blue), lock rotor (yellow) & fan guard

[†] Thermocoupler (All fans operate to their specs with or without the additional optional wire functions) [†] Blower

Continued on next page

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2134408



1537467



1951051

Part No.	Manufacturer	Mir. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
1928089	Adda	AD0912LS-A70GL	12	92 x 92 x 25	32.4	Sleeve	130	1.6	UL/CUL/TUV/CE	23.5	12"	\$3.95	\$3.59	\$3.29	\$2.95
1952783	Nidec	TA350DC-M34138-34	12	92 x 92 x 25	35	Ball	160	1.92	UL/CSA	26.4	10" w/ conn ³	5.95	4.95	3.95	3.49
1952257	AVC	C9025S12L	12	92 x 92 x 25	37.2	Sleeve	150	1.8	UL/CUL/TUV/CE	26.2	5.5" ¹	3.95	3.49	2.95	2.49
1928097	Adda	AD0912LX-A70GL	12	92 x 92 x 25	37.9	Hypro	120	1.44	UL/CUL/TUV/CE	26.5	12"	4.95	3.95	2.95	2.49
2132015	Adda	AD0912MB-A71GL-LF	12	92 x 92 x 25	43.5	Ball	170	2.04	UL/CSA/TUV/CE	31	12"	6.95	5.95	4.95	4.49
1952880	Nidec	TA350DC-M33422-57G4	12	92 x 92 x 25	48	Ball	290	3.48	UL/CSA	35	10" w/ conn ⁴	5.95	4.95	3.95	3.49
154641	Nidec	TA350DC-M33422-16	12	92 x 92 x 25	48	Ball	290	3.5	UL/CSA	43	12"	9.95	8.95	7.95	6.95
2115565	Sunon	KD1209PTS1.13.GN	12	92 x 92 x 25	49	Sleeve	160	1.9	UL/CUL/TUV/CE	34	11"	4.95	4.49	3.95	3.49
1952767	NMB	3610KL-04W-B56PS9	12	92 x 92 x 25	54.7	Ball	315	3.8	UL/CSA/TUV/CE	41	7" w/ conn ⁵	5.95	4.95	3.95	2.95
1952951	NMB	3610KL-04W-B56PS6	12	92 x 92 x 25	55	Ball	315	3.8	UL/CSA/TUV/CE	41	9" w/ conn ²	7.95	6.95	5.95	4.95
102963	Nidec	TA350DC-M33503-55	12	92 x 92 x 25	56	Ball	400	4.8	UL/CSA	45	8"	7.95	6.95	5.95	4.95
2138994	Adda	AD0912UB-A71GL	12	92 x 92 x 25	60	Ball	390	4.68	UL/TUV/CE	39.4	50"	8.95	7.95	6.95	5.95
2172711	Mechatronics	MC9238X12B-FS	12	92 x 92 x 38	80.5	Ball	720	8.6	UL/CUL/TUV	47.5	12"	9.95	8.95	7.95	6.95
2134408	Adda	AB0912MB-Z01†	12	94 x 94 x 33	29.8	Ball	900	10.8	UL/CUL/TUV/CE	51.5	10" w/conn	10.95	9.95	8.95	7.95
174140	Common Wealth	FP108MS3	12	120 x 120 x 25	54	Sleeve	140	1.7	UL/CSA/TUV/CE	25	12"	9.95	8.95	7.95	6.95
689231	Sunon	KDE1212PTS3-6A	12	120 x 120 x 25	67	Sleeve	200	2.4	UL/CUL/TUV/CE	35	12"	7.95	6.95	6.25	5.59
227901	Common Wealth	FP-108M-S1-B	12	120 x 120 x 25	80	Ball	330	4.0	UL/CSA/DE/CE	42	12"	13.95	12.49	10.95	9.95
2134053	Adda	AD1212MB-A78GL	12	120 x 120 x 25	80.5	Ball	330	3.96	UL/CUL/TUV/CE	38	11" ¹	10.95	9.95	8.95	7.95
363848	Mechatronics	E1225H12B	12	120 x 120 x 25	82	Ball	385	4.62	UL/CUL/TUV	40	3.5"	7.95	6.95	6.25	5.59
1952231	Turbofan	TA1225E12BS	12	120 x 120 x 25	93	Ball	580	7.0	UL/CSA/TUV	44	13"	8.95	7.95	6.95	5.95
1928011	Adda	AD1212US-A71GL	12	120 x 120 x 25	98.6	Sleeve	500	6.0	UL/CUL/TUV/CE	39.1	2" w/ conn	6.95	5.95	4.95	3.95
2081705	ValuePro	1225H12B-PF1	12	120 x 120 x 25	119	Ball	800	9.6	UL/CUL/TUV/CE	47.5	21" w/ conn ¹	11.95	10.95	9.95	8.95
2082151	Comair Rotron	MC12B3QDN	12	120 x 120 x 32	102	Ball	660	7.9	UL/CSA/CE	47.8	12" ²	7.95	6.95	5.95	4.95
868109	Comair Rotron	MC12B7	12	120 x 120 x 32	102	Ball	660	7.9	UL/CUL/TUV/CE	47.9	12"	7.95	6.95	5.95	4.95
2134045	Adda	AD1212LB-F51	12	120 x 120 x 38	72.3	Ball	240	2.88	UL/CUL/TUV/CE	32.9	11"	9.95	8.95	7.95	6.95
2155057	Sanyo Denki	109R1212M102	12	120 x 120 x 38	81	Ball	240	4.6	UL/CSA/TUV	36	12"	8.95	7.95	6.95	5.95
1585389	ValuePro	CNDC12B4C-016	12	120 x 120 x 38	99	Ball	540	7.0	UL/CSA/TUV	40	12"	6.95	5.95	5.39	4.95
94626	Sunon	KD1212PMB1-6A.GN	12	120 x 120 x 38	108	Ball	570	6.8	UL/CUL/TUV/CE	42	12"	10.95	9.95	8.95	7.95
1952791	NMB	4715KL-04W-B46	12	120 x 120 x 38	118	Ball	900	8.4	UL/CSA/TUV/CE	47	6" w/ conn ²	7.95	6.95	6.25	5.59
1955028	NMB	4715KL-04W-B49	12	120 x 120 x 38	118	Ball	700	8.4	UL/CSA/TUV/CE	46	12" ¹	8.95	7.95	6.95	5.95
2125860	Comair Rotron	MS12K3	12	120 x 120 x 38	127	Ball	920	11	UL/TUV/CE	53.4	12"	8.95	7.95	6.95	5.95
2120313	Comair Rotron	GDA1238-12BB	12	120 x 120 x 38	128	Ball	600	7.2	UL/TUV/CE	43.5	8" ¹	10.95	9.95	8.95	7.95
2099972	Delta	AFB1212SHE-4F1A	12	120 x 120 x 38	152	Ball	750	9.0	UL/CSA/DE/CE	55.5	48" w/ conn ⁶	7.95	6.95	5.95	4.95
1537467	Comair Rotron	JQ12B7X	12	172 x 150 x 51	235	Ball	2260	25.2	UL/CSA/TUV/CE	54.3	12" ²	14.95	13.49	11.95	10.95
1928281	Adda	AD0424HB-G70	24	40 x 40 x 10	6.7	Ball	90	2.16	UL/CUL/TUV/CE	25	7" w/ conn	10.95	9.95	8.95	7.95
2133931	Adda	AD0424HB-G73	24	40 x 40 x 10	6.7	Ball	90	2.16	UL/CUL/TUV/CE	25	12" ¹	9.95	8.95	7.95	6.95
2158514	Sunon	MB40202V2-0000-A99	24	40 x 40 x 20	7.7	Vapo	33	2.16	UL/CUL/TUV/CE	21	12"	9.95	8.95	7.95	6.95
1951502	Adda	AD0424HB-C56	24	40 x 40 x 20	10.1	Ball	90	2.16	UL/CUL/TUV/CE	31.9	12" ¹	8.95	7.95	6.95	6.25
2133940	Adda	AD0424UB-C56	24	40 x 40 x 20	11	Ball	90	2.16	CE	31.9	11" ²	8.95	7.95	6.95	5.95
1708422	Sunon	KDE2406PHS3	24	60 x 60 x 15	15	Sleeve	50	1.2	UL/CUL/TUV/CE	31	12"	7.95	6.95	6.25	5.59
687818	Sunon	KDE2406PHB2	24	60 x 60 x 15	18	Ball	56	1.3	UL/CUL/TUV/CE	31	11"	10.95	9.95	8.95	7.95
2134029	Adda	AD0624MB-C70GL	24	60 x 60 x 20	14.5	Ball	80	1.92	UL/CUL/CE	25.7	12"	5.95	5.39	4.79	4.39
212652	Delta/Fonsan	DFD0624H	24	60 x 60 x 20	17.7	Ball	100	2.4	UL/CE/CSA/TUV	30	12"	5.95	4.95	4.49	3.95
140661	NMB	2408NL-05W-B60	24	60 x 60 x 20	18.4	Ball	100	2.4	UL/CSA/TUV/CE	31	2" w/ conn	4.95	4.49	3.95	3.59
1951191	Sunon	KDE2406PKV2MS.AGN	24	60 x 60 x 20	18.5	Vapo	90	1.1	UL/CE	27.5	11"	5.95	5.39	4.79	4.25
189861	Jamicon	JF0625B2M	24	60 x 60 x 25	18	Ball	130	3.1	UL/CSA/TUV/CE	28.5	10"	8.95	7.95	6.95	6.25
1952177	Japan Servo	TUDC24Z4P-029	24	60 x 60 x 25	19	Ball	80	1.8	UL/CSA/TUV	32	12" ²	6.95	6.25	5.59	5.29
212628	Adda	AD0624HS-A70GL	24	60 x 60 x 25	23.2	Sleeve	150	3.6	UL/CSA/TUV/CE	32.3	17" w/ conn	4.95	4.49	3.95	3.49
1928337	Adda	AD624HX-A70GL	24	60 x 60 x 25	23.2	Hypro	150	3.6	UL/CSA/TUV/CE	32.3	12"	6.95	6.25	5.59	4.95
2081799	Nidec	TA225DC-M33516-16	24	60 x 60 x 25	25	Ball	180	4.3	UL/CSA	37	12"	6.95	5.95	4.95	4.49
1928071	Adda	AD0624HB-A70GL	24	60 x 60 x 25	25	Ball	150	3.6	UL/CSA/TUV/CE	33.9	12"	8.95	7.95	6.95	6.25
1809848	Sunon	PMD2406PTB1-A	24	60 x 60 x 25	35.8	Ball	220	5.3	UL/CUL/TUV/CE	48.8	12"	9.95	8.95	7.95	6.95
2132066	Adda	AD7524LB-LF†	24	75 x 75 x 30	6.9	Ball	80	1.92	UL/CUL/TUV/CE	29	12"	7.95	6.95	5.95	4.95
2138687	Cooltron	FD8025B24W3-68-2NU	24	80 x 80 x 25	18.8	Dual Ball	40	1.0	UL/CUL/TUV	15.1	6" w/ conn	7.95	6.95	5.95	4.95
290029	Jamicon	JF0825B2M	24	80 x 80 x 25	31.7	Ball	130	3.1	UL/CUL/TUV/CE	29.3	10"	9.95	8.95	7.95	6.95
136161	Jamicon	JF0825B2H	24	80 x 80 x 25	39.2	Ball	150	3.6	UL/CSA/TUV	31	12"	9.95	8.95	7.95	6.95
2172703	Panasonic	FBA-08A24H1A	24	80 x 80 x 25	39.6	Hydro	105	2.5	UL/CUL/TUV	32	12"	8.95	7.95	6.95	5.95

¹ 3 leads; speed sensor ² 3 leads; locked rotor protection ³ 4 leads; wired for Dell proprietary PWM circuit control w/ tach (blue), lock rotor (yellow) & fan guard ⁴ Temperature sensor
⁵ 5 leads; locked rotor with 2 separate ground if needed ⁶ 4 leads; all black tach/speed w/ connector (All fans operate to their specs with or without the additional optional wire functions) † Blower

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★ 24V Web Code: QEF

★ 48V Web Code: MAJ



297959



1952775



2162855

mm to Inches Conversion Chart

mm	6	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	70	75	76	80	92	95	94	97	120	125	126	127	150	172
Inches	0.24	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.76	2.95	2.99	3.15	3.63	3.74	3.70	3.82	4.72	4.92	4.96	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
2158565	Sunon	EE80252B1-0000-A99	24	80 x 80 x 25	41	Ball	73	1.8	UL/CUL/TUV	33	12"	\$9.95	\$8.95	\$7.95	\$6.95
2155073	Mechatronics	F8205E24B-FS	24	80 x 80 x 25	46	Ball	140	3.6	UL/CSA/TUV	32	12"	8.95	7.95	6.95	5.95
1928388	Adda	AD0824UB-A72GL	24	80 x 80 x 25	50	Ball	260	6.24	UL/CUL/CE	41	12" 2	10.95	9.95	8.95	7.95
2134150	Adda	AD0824UB-A71GL *	24	80 x 80 x 25	50	Ball	260	6.24	CE	41	12"	9.95	8.95	7.95	6.95
2126264	Jamicon	JF0825B2TR	24	80 x 80 x 25	58	Dual Ball	270	6.48	UL/CUL/TUV/CE	42	12"	11.95	10.95	9.95	8.95
1580422	EBM Papst	8314/12H	24	80 x 80 x 32	47	Ball	270	6.4	UL/CUL/CSA/VDE	48	11" w/ conn ¹	7.95	6.95	5.95	4.95
2121341	Adda	AD0824UB-Y53LF	24	80 x 80 x 32	55.3	Ball	180	4.32	UL/CSA/CE	43.8	12" 1	7.95	6.95	5.95	4.95
206965	Sunon	PMD2408PMB2-A	24	80 x 80 x 38	74.5	Ball	300	7.2	UL/CUL/CSA/VDE	52	12"	12.95	11.95	10.95	9.95
1951051	Mechatronics	E9225L24B1-FS	24	92 x 92 x 25	35	Ball	85	2.04	UL/CUL	27	12" 1	5.95	4.95	3.95	3.49
1708502	Sunon	KDE2409PTS3-6	24	92 x 92 x 25	39	Sleeve	112	2.7	UL/CUL/TUV/CE	27	12"	5.95	4.95	3.95	3.49
2155065	Delta	AFB0924H-R00	24	92 x 92 x 25	51.2	Ball	100	2.4	UL/CSA/CE	34	12" 2	10.95	9.95	8.95	7.95
2158303	Sunon	EE92252B1-0000-A99	24	92 x 92 x 25	51.5	Dual Ball	87	2.1	UL/CE/TUV	34	12"	11.95	10.95	9.95	8.95
1928302	Adda	AD0924US-A71GL	24	92 x 92 x 25	57.8	Sleeve	210	5.04	UL/CUL/TUV/CE	38.6	12"	7.95	6.95	5.95	4.95
104890	EBM Papst	3314/12	24	92 x 92 x 32	47.1	Ball	140	3.4	UL/CE/TUV	37	12" 1	10.95	9.95	8.95	7.95
1951465	Delta	FFB0924VHE	24	92 x 92 x 38	85	Ball	280	6.7	UL/CSA/VDE/CE	47	12"	11.95	10.49	8.95	7.95
2115557	Sunon	KD2412PTB3-6A.GN	24	120 x 120 x 25	69	Ball	120	2.9	UL/CUL/TUV/CE	35.5	12"	8.95	7.95	6.95	5.95
1951115	Nidec	TA450DC-A34350-16	24	120 x 120 x 25	92	Ball	180	4.32	UL/CSA	40.4	10"	10.95	9.95	8.95	7.95
153411	Sunon	KD2412PMB2-6A	24	120 x 120 x 38	98	Ball	230	5.5	UL/CSA/TUV	36.5	12"	19.95	18.95	17.49	15.95
694444	Jamicon	JF1238S2MR-R	24	120 x 120 x 38	101.3	Sleeve	220	5.28	UL/CSA/TUV/CE	39.1	9"	9.95	8.95	7.95	6.95
694524	Jamicon	JF1238B2MR-R	24	120 x 120 x 38	101.3	Ball	220	5.28	UL/CSA/TUV/CE	39.1	9"	13.95	12.49	10.95	9.95
2134061	Adda	AD1224HS-F51	24	120 x 120 x 38	104.8	Sleeve	320	7.68	UL/CSA/TUV/CE	42.8	10.5"	10.95	9.95	8.95	7.95
1809910	Sunon	KD2412PMSX-6A	24	120 x 120 x 38	119	Sleeve	300	7.2	UL/CUL/TUV/CE	45	12"	8.95	7.95	6.95	5.95
2138986	Delta	FFB1224EHE-F00	24	120 x 120 x 38	190	Ball	1000	24	UL/CSA/VDE/CE	59	12" w/ conn ¹	17.95	15.95	14.49	12.95
297959	Delta	BFB1224HE ↑	24	125 x 126 x 34	27.2	Ball	340	8.1	UL/CE/CSA/TUV	50.5	12"	9.95	8.49	6.95	5.95
212662	EBM Papst	6424/8-139	24	172 x 150 x 51	241	Ball	750	18	UL/CUL/TUV	57	24" 3	14.95	13.49	11.95	9.95
212644	Delta	AFB0948L	48	92 x 92 x 25	37	Ball	50	2.44	UL/CSA/TUV/CE	25	12"	5.95	4.95	4.49	3.95
2135371	Adda	AD0948MB-F91DS(M)	48	92 x 92 x 38	93.5	Dual ball	130	6.24	UL/CE	48.5	12"	14.95	13.95	12.95	11.49
1952775	Orion	OD1232-48HB	48	120 x 120 x 32	120	Ball	180	8.6	UL/TUV/CE	51	12" 3	8.95	7.95	6.95	5.95
2134192	Adda	AD1248UB-Y53	48	120 x 120 x 32	122	Ball	230	11	UL/CUL/TUV/CE	48	10" 1	11.95	10.49	9.49	8.69
2132023	Adda	AD1248HB-F51-LF	48	120 x 120 x 38	105	Ball	200	9.6	UL/CUL/TUV/CE	42.8	12"	14.95	13.49	11.95	10.95
689063	EBM Papst	W2G115-AG75-85	48	127 x 127 x 38	155	Ball	310	15	UL/CUL	52	10" 1	11.95	10.95	9.95	8.95
2134352	Adda	AD1348HB-F53	48	127 x 127 x 38	161	Ball	230	11	UL/CUL/TUV/CE	53	11" 1	12.95	11.49	9.95	8.95
1954711	Delta	EFB1348HHE-SV06	48	127 x 127 x 38	185	Ball	360	17.28	UL/CSA/VDE/CE	55.5	26" 1	9.95	8.95	7.95	6.95
2162871	EBM Papst	5318/2TDH4P	48	140 x 140 x 51	394	Ball	3000	144	UL	79	10" w/ conn ³	14.95	13.49	11.95	10.95
2162855	EBM Papst	6248M	48	172 (Dia.) x 51 (H)	206	Ball	240	11.5	UL/CSA/TUV	50	Terminals	29.95	26.95	23.95	19.95

1 3 leads; speed sensor 2 3 leads; locked rotor protection 3 4 Leads wired for Dell proprietary PWM circuit control w/ tach (blue), lock rotor (yellow) & fan guard
(All fans operate to their specs with or without the additional optional wire functions) * Waterproof ↑ Blower

Fan Guards & Aluminum Washable Filters

Guards and filters fit all fans. Please match by size dimension.

★ Web Code: UAR

Example: P/N 300557 fan (80mm) matches P/N 31924 metal guard (80mm).

Part No.	mm	Description	Fig.	1	10	50	100
123502	40	Metal (chrome) guard	1	\$.59	\$.55	\$.49	\$.45
120038	60	Metal (chrome) guard	1	.65	.59	.55	.49
687666	60	Metal (black anodized) guard	2	.85	.79	.75	.69
31924	80	Metal (chrome) guard	1	.69	.65	.59	.55
1928433	80	Metal (black anodized) guard	2	.79	.69	.65	.59
123511	92	Metal (chrome) guard	1	.75	.69	.65	.59
2135689	92	Metal (black anodized) guard	2	.69	.59	.55	.49
25735	120	Metal (chrome) guard	1	.79	.75	.69	.65
695068	120	Metal (black anodized) guard	2	1.09	.99	.89	.79
695076	127	Metal (chrome) guard	1	.49	.45	.39	.35
1952290	80	Plastic guard only	3	.69	.65	.59	.55
1952661	92	Plastic guard only	3	.69	.65	.59	.55

Part No.	mm	Description	Fig.	1	10	50	100
1952679	120	Plastic guard only	3	\$.89	\$.79	\$.69	\$.65
1952687	150	Plastic guard only	3	.79	.69	.59	.55
1952695	40	Plastic guard w/ mesh	4	1.19	1.09	.99	.89
1952708	60	Plastic guard w/ mesh	5	1.65	1.49	1.39	1.29
2158135	80	Plastic guard w/ mesh	4	1.49	1.35	1.19	1.09
138562	80	Plastic guard w/ mesh (clip)	5	1.79	1.69	1.59	1.45
229665	92	Plastic guard w/ mesh	4	1.75	1.65	1.39	1.25
196817	120	Plastic guard w/ mesh	4	2.19	2.09	1.95	1.79
1952716	172	Plastic guard w/ mesh	4	1.95	1.59	1.35	1.19
1952724	60	Alum. washable filter	6	2.09	1.85	1.59	1.49
138580	80	Alum. washable filter	6	2.25	1.95	1.79	1.59
1952732	92	Alum. washable filter	6	2.49	2.25	2.09	1.85
130105	120	Alum. washable filter	6	3.49	3.15	2.75	2.49



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

AC Tubeaxial Fans & Fan Power Cords

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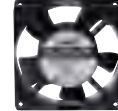
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115 & 220VAC Tubeaxial Fans

*Web Code: ABJ



212600



206309



275793



209365

mm to Inches Conversion Chart

mm	6	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	70	75	76	80	92	95	94	97	120	125	126	127	150	172
Inches	0.24	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.76	2.95	2.99	3.15	3.63	3.74	3.70	3.82	4.72	4.92	4.96	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VAC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection	Pricing			
												1	10	50	100
213867	Fulltech	UF60D11BWH	115	60 x 60 x 30	10.2	Ball	35	4	UL/CUL/VDE/CE	28	12" leads	\$17.95	\$16.49	\$15.95	\$14.49
2100267	Pelonis	PM8025HA1S	115	80 x 80 x 25	18.8	Sleeve	110	13.2	UL/CUL/CE	26.7	Terminals	12.95	11.95	10.95	10.49
146078	Common Wealth	FP108AX-S1-B (115)	115	80 x 80 x 25	23	Ball	180	14	UL/CE	29	12" leads	15.95	14.49	12.95	11.95
300557	Fulltech	UF80B11SWH	115	80 x 80 x 25	24	Sleeve	140	14	UL/CUL/TUV/CE	35	12" leads	13.95	12.95	11.95	10.95
300258	Fulltech	UF80B11BTH	115	80 x 80 x 25	24	Ball	140	14	UL/CUL/TUV/CE	35	Terminals	14.95	13.95	12.95	11.95
300582	Fulltech	UF80A11SWL	115	80 x 80 x 38	25	Sleeve	110	12	UL/CUL/TUV/CE	32	12" leads	9.95	8.95	7.95	7.25
300303	Fulltech	UF80A11BWL	115	80 x 80 x 38	25	Ball	110	11	UL/CUL/TUV/CE	32	12" leads	9.95	8.95	7.95	7.25
300600	Fulltech	UF80A11BWH	115	80 x 80 x 38	29	Ball	120	12	UL/CUL/TUV/CE	36	12" leads	15.95	14.49	12.95	11.49
2131856	Adda	AA8381HS-AW-LF	115	80 x 80 x 38	30	Sleeve	100	8.9	UL/CSA/TUV/CE	31	12" leads	10.95	9.95	8.95	7.95
300389	Fulltech	UF80A11BTH	115	80 x 80 x 38	30	Ball	120	12	UL/CUL/TUV/CE	36	Terminals	15.95	14.49	12.95	11.49
303467	Sunon	SF11592A-1092HBL-GN	115	92 x 92 x 25	37	Ball	110	12	UL/CSA/TUV/CE	40	12" leads	10.95	9.95	8.95	7.95
75460	Sunon	SF11592A-1092HBT-R	115	92 x 92 x 25	37	Ball	110	12	UL/CSA/TUV/CE	40	Terminals	14.95	13.95	12.95	11.95
2131830	Adda	AA1251MB-AT-LF	115	120 x 120 x 25	69.4	Ball	190	19.6	UL/CSA/TUV/CE	38.7	Terminals	9.95	8.95	7.95	6.95
1819376	NMB	4710PS12TB30A00	115	120 x 120 x 25	70.6	Ball	190	11	UL/CSA/VDE/CE	38	Terminals	10.95	9.95	8.95	7.95
1810048	Sunon	SP101AT-1122HBL-GN	115	120 x 120 x 25	78	Ball	180	18	UL/CUL/TUV/CE	46	12" leads	16.95	14.95	13.49	11.95
124063	Sunon	SP101AT-1122HBT	115	120 x 120 x 25	78	Ball	180	18	CSA/TUV/CE	46	Terminals	16.95	14.95	13.49	11.95
303361	Fulltech	UF12A11BTL1	115	120 x 120 x 38	64	Ball	80	15	UL/CUL/TUV/CE	37	Terminals	14.95	13.49	11.95	10.95
2126070	Adda	AA1281LS-AT-LF	115	120 x 120 x 38	75.6	Sleeve	140	9.2	UL/CUL/TUV/CE	40	Terminals	9.95	8.95	7.95	6.95
1585371	Sunon	SP103A-1123LBL	115	120 x 120 x 38	78	Ball	130	11	UL/CSA/TUV	39	6" w/ conn.	11.95	10.95	9.95	8.95
300792	Fulltech	UF12A11STL	115	120 x 120 x 38	81	Sleeve	150	15	UL/CUL/TUV/CE	38	Terminals	12.95	11.49	10.49	9.49
303483	Fulltech	UF12A11SWL	115	120 x 120 x 38	82	Sleeve	150	12	UL/CUL/TUV/CE	38	12" leads	12.95	11.49	10.49	9.49
106586	Common Wealth	FP108-1-S1/T	115	120 x 120 x 38	105	Sleeve	180	12	UL/CSA/CE	47	Terminals	13.95	12.49	10.95	9.95
2155049	U.S. Toyo	TAC12038115HT	115	120 x 120 x 38	105	Ball	180	17	UL/CSA/CE	47	Terminals	11.95	10.95	9.95	8.95
16935	Common Wealth	FP108-1-S1-B/T	115	120 x 120 x 38	105	Ball	200	17	UL/CSA/TUV/CE	47	Terminals	15.95	14.49	12.95	11.49
212600	Fulltech	UF12A11BWH	115	120 x 120 x 38	106	Ball	190	15	UL/CUL/TUV/CE	46	12" leads	15.95	14.49	12.95	11.49
1707163	Sunon	SP101A-1123HBL-GN	115	120 x 120 x 38	107	Ball	180	18	UL/CSA/TUV	50	12" leads	15.95	14.49	12.95	11.49
206309	Adda	AA1281UB-AT	115	120 x 120 x 38	107	Ball	230	24	UL/CUL/CE	48	Terminals	14.95	13.49	10.95	9.95
275793	Sunon	SP101A-1123HBT	115	120 x 120 x 38	107	Ball	180	18	UL/CUL/CE	50	Terminals	18.95	17.49	15.95	13.49
2125931	Common Wealth	FP108-1	115	120 x 120 x 38	112	Ball	250	19	UL/CUL/TUV/CE	45	Terminals	10.95	9.95	8.95	7.95
102884	Sunon	SP100A-1123XBT	115	120 x 120 x 38	117	Ball	240	20	UL/CUL/TUV/CE	50	Terminals	17.95	15.95	14.49	12.95
2129588	Common Wealth	FP108-1	115	120 x 120 x 38	120	Ball	250	19	UL/CSA/CE	45	Terminals	17.95	15.95	14.49	12.95
189684	Fulltech	UF15PC11BTH	115	172 x 150 x 51	226	Ball	250	30	CSA	58	Terminals	36.95	34.95	32.95	29.95
212582	Fulltech	UF15PC11BWH	115	172 x 150 x 51	226	Ball	250	30	UL/CUL/TUV/CE	58	12" leads	36.95	34.95	32.95	29.95
1950956	Arctic	KEST-481BW	115	172 x 150 x 51	260	Ball	620	46	UL/CE/TUV	61	12" leads	38.95	36.95	34.49	31.95
1810128	Common Wealth	FP-108AX-S1-B (220)	220	80 x 80 x 25	21	Ball	120	13	UL/CSA/TUV/CE	29	13" leads	12.95	11.49	10.95	9.95
100918	Sunon	SF23080A/2083HSL	220	80 x 80 x 38	30	Sleeve	60	13.5	UL/CSA/TUV/CE	35	12" leads	17.95	15.95	14.49	12.95
355630	Fulltech	UF-80A23-BTH-R	220	80 x 80 x 38	30	Ball	60	12	UL/CSA/VDE/CE	36	Terminals	16.95	14.95	13.49	11.95
209365	Bi-Sonic	4C-230LB	220	120 x 120 x 38	63	Ball	60	9	TUV/CE	34	10" leads	8.95	7.95	7.49	6.95
2133801	Adda	AA1282DB-AT	220	120 x 120 x 38	74.7	Ball	60	8.0	UL/CUL/TUV/CE	39.2	Terminals	9.95	8.95	7.95	6.95
1918753	Jamicon	KA1238H2B01	220	120 x 120 x 38	89	Dual Ball	200	23	UL/CUL/TUV/CE	42	Terminals	10.95	9.95	8.95	7.95
1918761	Jamicon	KA1238H2B12	220	120 x 120 x 38	110	Ball	200	24	UL/CUL/TUV/CE	45	Terminals	10.95	9.49	8.95	7.95
303459	Sunon	DP200A-2123XBL	220	120 x 120 x 38	117	Ball	120	21	UL/CSA/TUV/CE	50	12" leads	15.95	14.95	13.95	12.95
102892	Sunon	DP200A-2123XBT	220	120 x 120 x 38	117	Ball	120	21	UL/CSA/TUV/CE	50	Terminals	17.95	15.95	14.49	12.95
2151072	Sunon	SF1212ADBL-GN *	115/220	120 x 120 x 38	95/115	Ball	270	21.5	UL/CUL/CE	47	12" leads	12.95	11.95	10.95	9.95
2145043	Adda	AX17512HB-C(AT)	220	172 x 150 x 51	240	Ball	160	34.5	UL/TUV/CE	56	Terminals	36.95	32.95	29.95	26.95

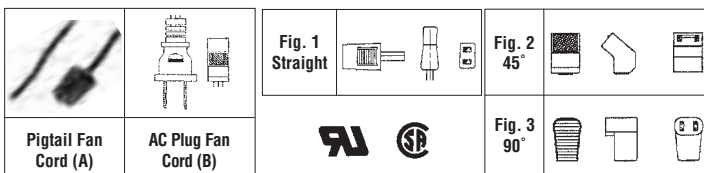
* 4 wire leads, dual voltage



DC & AC Plug Fan Power Cords

*Web Code: GAE

For Fans with Terminal Connection



Part No.	Description	Fig.	Length	1	10	100	250
28564	Straight pigtail fan cord	1A	24"	\$1.49	\$1.25	\$.99	\$.89
2076658	Straight pigtail fan cord	1A	36"	1.25	.99	.79	.69
1952548	45° pigtail fan cord	2A	24"	1.49	1.25	.99	.89
104192	90° pigtail fan cord	3A	24"	1.49	1.25	1.09	.99
1952572	Straight AC plug fan cord	1B	72"	2.95	2.65	2.39	2.09
1952581	45° AC plug fan cord	2B	72"	2.95	2.65	2.39	2.09

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

AC-to-AC & AC-to-DC Regulated Switching Wall Adapters



AC-to-AC Wall Adapters

Input: 120VAC @ 60Hz



* Web Code: ABQ



We specialize in Wall Adapters – Call for additional OEM PRICING. We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 101) for just \$2.50 each. Overmolding also available @ \$4.00 each. A 100 pc. minimum order applies.

Part No.	Manufacturer	Product No.	Output Rating		Output Connector ID x OD mm Female/Male	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing			
			Voltage (VAC)	Current (mA)							1	10	50	250
2082521	ReliaPro	5-2634	5	400	1.7mm x 5.5mm right angle F	2.0 x 1.4 x 1.3	White	6'	0.4	UL/CSA	\$3.59	\$3.25	\$2.95	\$2.49
2082530	ReliaPro	5-2633	5	400	1.7mm x 5.5mm right angle F	2.0 x 1.4 x 1.3	Black	6'	0.4	UL/CSA	3.59	3.25	2.95	2.49
249017	ReliaPro	ACU070150	7	1500	2.5mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	7.95	6.95	5.95	4.95
100061	ReliaPro	ACU090050	9	500	2.1mm x 5.5mm F	2.7 x 1.9 x 1.7	Black	6'	0.6	UL/CUL	8.95	7.95	6.95	5.95
236814	ReliaPro	ACU090080	9	800	3.5mm M	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	8.95	7.95	6.95	5.95
1581281	ReliaPro	AA-091A	9	1000	2.1mm x 5.5mm F	2.2 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	6.95	6.25	5.59	4.95
102234	ReliaPro	ACU090100	9	1000	2.1mm x 5.5mm F	3.2 x 2.2 x 1.9	Black	6'	0.6	UL/CUL	9.95	8.95	7.95	6.95
1586154	OEM	AA091A	9	1000	2.5mm x 5.5mm F	2.2 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	7.95	6.95	6.25	5.59
157041	ReliaPro	ACU090100E8942	9	1000	2.5mm x 5.5mm F	2.1 x 2.1 x 1.6	Black	6'	0.6	UL/CUL	9.95	8.95	7.95	6.95
2167648	OEM	AA091A5	9	1500	2.1mm x 5.5mm F	2.4 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	9.95	8.95	7.95	6.49
112336	ReliaPro	ACU090150	9	1500	2.5mm x 5.5mm F	2.5 x 2.2 x 2.0	Black	6'	0.9	UL/CUL	10.95	9.95	8.95	7.95
688634	ReliaPro	PP-1012-A	10	1200	2.5mm x 5.5mm F	3.5 x 2.5 x 1.9	Black	6'	1.3	UL	4.95	3.95	3.49	2.95
2076543	Radio Shack	15-1963	12	400	2.1mm x 5.5mm F	2.6 x 1.7 x 1.6	Black	6'	0.6	UL/CSA	5.95	4.95	4.49	3.95
101258	ReliaPro	ACU120050	12	500	2.1mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	7.95	6.95	5.95	5.49
2076666	ReliaPro	48A-12-500Q	12	500	2.5mm x 5.5mm right angle F	3.3 x 2.6 x 2.0	Black	6'	1.0	—	4.95	4.49	3.95	3.59
10081	ReliaPro	ACU120100J0920	12	1000	2.1mm x 5.5mm F	2.6 x 2.4 x 2.0	Black	6'	0.7	UL/CUL	9.95	8.95	7.95	7.29
100167	ReliaPro	A411201000U	12	1000	2.5mm x 5.5mm F	3.2 x 2.4 x 2.0	Black	6'	0.7	UL/CUL	9.95	8.95	7.95	7.29
10428	ReliaPro	ACU120100Z9121	12	1000	3.5mm M	2.6 x 2.4 x 2.0	Black	6'	0.6	UL/CUL	9.95	8.95	7.95	7.29
2167576	ReliaPro	AM-121200A	12	1200	2.1mm x 5.5mm right angle F	3.2 x 2.1 x 1.9	Black	6'	0.9	UL/CSA	10.95	9.95	8.95	7.95
167151	ReliaPro	ADU120150	12	1500	2.1mm x 5.5mm F	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	11.95	10.95	9.95	8.95
307838	ReliaPro	ADU120160H4120	12	1600	2.5mm x 5.5mm F	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	12.95	11.95	10.95	9.95
206404	MGElectronics	MGT1220	12	1670	Screw terminals with green LED	3.2 x 2.2 x 1.9	White	—	0.9	UL	9.95	8.95	7.95	7.29
2138978	ReliaPro	JOD-48U-12A	13.5	1000	1.3mm x 3.5mm F	2.8 x 2.2 x 1.9	Black	6'	0.6	UL/CUL	8.95	7.95	6.95	5.95
2082564	ReliaPro	GPU1355000	13.5	5000	2.1mm x 5.5mm F (Table-Top style)	4.7 x 3.2 x 2.5	Black	6'	2.4	—	16.95	15.49	12.95	11.49
171408	ReliaPro	ACU140050	14	500	2.1mm x 5.5mm F	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	10.95	9.95	8.95	7.95
318684	Horizon	ACU140085	14	850	2.5mm x 5.5mm right angle F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	11.95	10.95	9.95	8.95
100108	ReliaPro	ADU160100	16	1000	2.1mm x 5.5mm F	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	11.95	10.95	9.95	8.95
2082142	Ault	308-2018	18	900	Screw terminals	1.9 x 2.2 x 2.0	Beige	—	0.7	UL	5.95	4.95	3.49	2.95
121216	ReliaPro	ADU180100	18	1000	2.1mm x 5.5mm F	3.1 x 2.7 x 1.9	Black	6'	1.1	UL/CUL	11.95	10.95	9.95	8.95
185439	ReliaPro	AFU180185	18	1850	2.1mm x 5.5mm right angle F	3.3 x 2.7 x 2.2	Black	6'	1.7	—	9.95	8.95	7.95	6.95
2076631	Ault	T57-182200	18	2200	2.1mm x 5.5mm F	3.2 x 2.6 x 2.2	Black	5'6"	1.2	UL/CSA	8.95	7.95	6.95	5.95
87581	ReliaPro	ADU240050	24	500	2.1mm x 5.5mm F	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	6.95
206439	MGElectronics	MGT2420	24	830	Screw terminals with green LED	3.2 x 2.2 x 1.9	White	—	0.9	UL	10.95	9.95	8.95	7.95
140599	ReliaPro	ADU240100D5531	24	1000	2.1mm x 5.5mm F	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CUL	11.95	10.95	9.95	8.95
10102	ReliaPro	ADU240100E0461	24	1000	3.5mm M	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CUL	11.95	10.95	9.95	8.95
2100195	ReliaPro	GPU572401500AA00	24	1500	2.1mm x 5.5mm F	3.3 x 2.6 x 2.3	Black	6'	1.7	UL/CUL	14.95	13.49	11.95	10.95



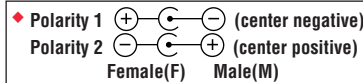
AC-to-DC Regulated Switching Wall Adapters



* Web Code: CDZ

We specialize in Wall Adapters – Call for additional OEM PRICING.

We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 101) for just \$2.50 each. A 100 pc. minimum order applies. Overmolding also available @ \$4.00 each. A 100 pc. minimum order applies.



Part No.	Manufacturer	Product No.	Output Rating		Output Connector ID x OD mm Female/Male; Polarity ♦	Input VAC @ Hz	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing		
			Volt. (VDC)	Current (mA)								1	5	25
1950981	Philips	AY3192/17	5	2000	1.7mm x 4.0mm F 2	100-240@50-60	3.1 x 1.4 x 1.3	Black	6'	0.3	UL/CUL	\$8.95	\$7.95	\$6.95
157340	D-Link	AF1205B *	5	2000	2.1mm x 5.5mm right angle F 2	100-120@50-60	2.4 x 1.4 x 1.1	Black	6'	0.3	UL/CUL/TUV/CEC	8.95	7.95	6.95
1940740	Mean Well	GS12U05P11	5	2000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	4'	0.3	UL/CUL/CEC	11.25	9.95	8.95
2129641	ELPAC	WM1005-760†	5	2000	2.5mm x 5.5mm F 2	100-120@50-60	2.8 x 1.6 x 1.1	Black	6'	0.3	UL/CUL	8.95	7.95	6.95
2138741	ReliaPro	CP0520	5	2000	2.5mm x 5.5mm F 1	100-240@47-63	3.0 x 1.1 x 1.6	Black	6'	0.4	UL/CUL/TUV	11.95	10.95	9.95
2158549	ReliaPro	S15AA05025001 *	5	2500	2.5mm x 5.5mm right angle F 2	100-240@50-60	3.0 x 2.2 x 1.3	Black	6'	0.3	UL/CUL/CEC	14.95	13.49	11.95
1952863	Mean Well	GS18U05-P1J	5	3000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	4'	0.5	UL/CUL/CEC	13.49	12.49	11.25
2167664	Fairway	WN20U-050	5	3000	2.5mm x 5.5mm F 2	100-240@50-60	2.9 x 2.0 x 1.6	Black	6'	0.4	UL/CUL	11.95	10.95	9.95
379623	Mean Well	GS25U05-P1J	5	4000	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	4'	0.5	UL/CUL/CEC	14.25	12.95	11.49
2082011	Friwo	MPA3U	6	400	2.1mm x 5.5mm right angle F 2	100-240@50-60	2.8 x 2.0 x 0.7	Black	6'	0.3	UL/CUL	3.95	3.49	2.95
2172931	ReliaPro	EA1006BU *	9	660	2.1mm x 5.5mm F 1	100-240@50-60	2.1 x 1.4 x 1.0	Black	6'	0.1	UL/FCC/CEC	9.95	8.95	7.95
2158362	Fairway	TC10L-090 *	9	1100	2.5mm x 5.5mm F 2	100-240@50-60	2.4 x 1.7 x 1.1	Black	6'	0.2	UL/CUL	9.95	8.95	7.95
1940766	Mean Well	GS12U09-P11	9	1330	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	12.49	11.49	9.95
1952847	Mean Well	GS18U09-P1J	9	2000	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	13.49	12.49	11.25

†RFI filter on cord *Slimline CEC

Continued on next page

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

AC-to-DC Regulated Switching Wall Adapters

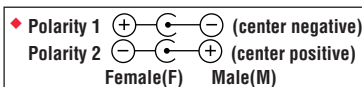
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AC-to-DC Regulated Switching Wall Adapters (Continued)

We specialize in Wall Adapters – Call for additional OEM PRICING.

We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 101) for just \$2.50 each. A 100 pc. minimum order applies. Overmolding also available @ \$4.00 each. A 100 pc. minimum order applies.



Part No.	Manufacturer	Product No.	Output Rating Volt (VDC)	Current (mA)	Output Connector ID x OD mm Female/Male; Polarity ◆	Input VAC @ Hz	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing		
												1	5	25
380140	Mean Well	GS25U09-P1J	9	2780	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	\$14.25	\$12.95	\$11.49
2121578	MG Electronics	ST-12500	12	500	Screw terminals	100-240@50-60	3.8 x 2.1 x 1.6	Black	—	0.3	UL/CUL/CEC	8.95	7.95	7.49
2151101	ReliaPro	CNR2260	12	500	2.1mm x 5.5mm F 2	100-240@50-60	3.6 x 2.0 x 1.3	Black	6'	0.3	UL/CUL/CEC	7.95	6.95	6.25
1955036	ReliaPro	26092#	12	700	2.1mm x 5.5mm F 2	95-240@47-63	4.0 x 2.3 x 1.1	Black	5.5'	0.4	UL/CUL	10.95	9.95	8.95
2129686	ELPAC	WM1012-760†	12	800	2.5mm x 5.5mm F 2	100-120@50-60	2.8 x 1.6 x 1.1	Black	6'	0.3	UL/CUL	10.95	9.95	8.95
2121566	MG Electronics	ST-121A	12	1000	Screw terminals	100-240@50-60	3.8 x 2.1 x 1.6	Black	—	0.3	UL/CUL/CEC	11.95	10.95	9.95
1940774	Mean Well	GS12U12-P1I	12	1000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL/CEC	11.25	9.95	8.95
2126002	ITE Power	S018BU1200150	12	1500	2.5mm x 5.5mm F 2	100-240@50-60	2.9 x 1.7 x 1.2	Black	6'	0.3	UL/CUL/CEC	12.95	11.95	10.95
1952855	Mean Well	GS18U12-P1J	12	1500	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	4'	0.2	UL/CUL/CEC	13.49	12.49	11.25
2082134	MG Electronics	ST-122A	12	2000	Screw terminals	100-240@50-60	3.8 x 2.1 x 1.6	Black	—	0.4	UL/CUL/CEC	14.95	13.49	11.95
380156	Mean Well	GS25U12-P1J	12	2080	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	4'	0.5	UL/CUL/CEC	14.25	12.95	11.49
2151208	ReliaPro	LFS123000D-A8B##	12	3000	2.1mm x 5.5mm F 2	100-240@50-60	3.8 x 2.4 x 1.6	Black	6'	0.5	UL/CUL	17.95	15.95	13.49
1952871	Mean Well	GS18U15-P1J	15	1200	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.4	Black	6'	0.4	UL/CUL/CEC	13.49	12.49	11.25
380173	Mean Well	GS25U15-P1J	15	1670	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	12.95	11.49
380191	Mean Well	GS25U18-P1J	18	1380	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 1.2 x 1.3	Black	6'	0.5	UL/CUL/CEC	14.25	12.95	11.49
2129650	ELPAC	WM1024-760†	24	400	2.5mm x 5.5mm F 2	100-120@50-60	2.8 x 1.6 x 1.1	Black	6'	0.3	UL/CUL	9.95	8.95	7.95
1940803	Mean Well	GS12U24-P1I	24	500	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL/CEC	11.25	9.95	8.95
1952898	Mean Well	GS18U24-P1J	24	750	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	13.49	12.49	11.25
2121594	MG Electronics	ST-241A	24	1000	Screw terminals	100-240@50-60	3.8 x 2.1 x 1.6	Black	—	0.3	UL/CUL/CEC	12.95	11.95	10.95
1953698	ReliaPro	MPC-2400107	24	1000	2.1mm x 5.5mm F 2	100-240@50-60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CSA	14.95	12.95	11.95
1953671	ReliaPro	MPC-2400107	24	1000	2.5mm x 5.5mm F 2	120-240@50-60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CSA	14.95	12.95	11.95
380202	Mean Well	GS25U24-P1J	24	1040	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	14.25	12.95	11.49
380220	Mean Well	GS25U28-P1J	28	890	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.6	UL/CUL/CEC	14.25	12.95	11.49
380412	Mean Well	ES25U36-P1M	36	690	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	16.49	14.95	13.49
380244	Mean Well	GS25U48-P1J	48	520	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	14.25	12.95	11.49

† RFI filter on cord # With light indicator ## 3-wire/ground plug CEC

AC-to-DC “Slim Line” Regulated Switching Wall Adapters

Output connector: 2.1mm x 5.5mm F2 (center positive)

Compact in size and lightweight, they are the perfect power solution in all those applications where space is critical. And their high efficiency satisfies requirements for minimizing power losses. You no longer have to deal with traditional wall adapters that block unused outlets in wall plates and power strips/surge protectors.

- 2-wire AC input
- Output cord length: 6'
- Input voltage: 100 – 240VAC @ 47-63Hz
- Color: black
- One-year warranty



* Web Code: CBQ

We'll Brand the Adapters
With Your Company Name
Call 1-800-831-4242 for Details



Part No.	Manufacturer	Output Rating Volt (VDC)	Current (mA)	Size (in.) (H x W x D)	Wt. (lbs.)	Pricing			
						1	10	50	250
251565	ReliaPro	3.3	1500	2.5x1.1x1.7	0.2	\$11.95	\$10.95	\$9.95	\$8.95
251600	ReliaPro	3.3	2500	2.9x1.1x1.7	0.3	12.95	11.95	10.95	9.95
2173010	Phihong	5	400	1.9x1.4x0.9	0.1	9.95	9.85	7.95	6.95
252701	ReliaPro	5	500	2.9x1.1x1.7	0.3	10.95	9.95	8.95	7.95
2126125	OEM	5	800	1.9x1.6x0.9	0.1	7.95	6.95	6.25	5.95
2135531	ReliaPro	5	1000	2.3x1.6x0.9	0.2	8.95	7.95	6.95	6.49
1940660	Mean Well	5	1000	2.6x1.3x1.9	0.2	10.49	9.49	8.49	—
252720	ReliaPro	5	1000	2.5x1.1x1.7	0.2	12.95	11.49	9.95	8.95
252728	ReliaPro	5	1500	2.5x1.1x1.7	0.2	13.95	12.49	10.95	9.95
210894	ReliaPro	5	2000	2.9x1.4x2.2	0.2	14.95	13.95	12.49	10.95
2138724	Jentec	5	2500	2.4x1.9x1.1	0.4	11.95	10.49	8.95	7.95
252736	ReliaPro	5	2500	2.9x1.3x2.2	0.3	14.95	13.49	11.95	10.49
2082222	ReliaPro	5	3000	2.9x1.3x2.2	0.3	9.95	8.95	7.95	6.95
2135451	Open Peak	5	4000	3.3x2.0x1.5	0.3	13.95	12.95	11.95	10.95
2145078	ReliaPro	6	500	2.5x1.7x1.1	0.3	9.95	8.95	7.95	6.95
1940678	Mean Well	7.5	800	2.6x1.3x1.9	0.2	10.49	9.49	8.49	—
252753	ReliaPro	9	500	2.5x1.1x1.7	0.2	11.95	10.95	9.95	8.95
1940686	Mean Well	9	660	2.6x1.3x1.9	0.2	10.49	9.49	8.49	—
1950841	ReliaPro	9	1000	2.5x1.1x1.7	0.2	13.95	12.49	10.95	9.95
252779	ReliaPro	9	1200	2.9x1.3x2.2	0.3	13.95	12.49	10.95	9.95

Part No.	Manufacturer	Output Rating Volt (VDC)	Current (mA)	Size (in.) (H x W x D)	Wt. (lbs.)	Pricing			
						1	10	50	250
2099850	Ault	9	1300	2.4x1.8x1.3	0.3	\$10.95	\$9.95	\$8.95	\$7.95
252786	ReliaPro	9	1500	2.9x1.3x2.2	0.3	15.95	14.49	12.95	11.49
252795	ReliaPro	12	250	2.5x1.1x1.7	0.2	8.95	7.95	6.95	6.25
252808	ReliaPro	12	500	2.5x1.1x1.7	0.2	11.95	10.95	9.95	8.95
1940694	Mean Well	12	500	2.6x1.3x1.9	0.2	10.49	9.49	8.49	—
2150758	ReliaPro	12	500	2.5x1.7x1.1	0.2	9.95	8.95	7.95	6.95
252816	ReliaPro	12	600	2.5x1.1x1.7	0.2	11.95	10.95	9.95	8.95
2151005	DVE	12	1000	2.7x1.8x1.1	0.2	11.95	10.95	9.95	8.95
252824	ReliaPro	12	1000	2.9x1.3x2.2	0.3	12.95	11.49	9.95	8.95
252833	ReliaPro	12	1250	2.9x1.3x2.2	0.3	13.95	12.95	11.95	10.95
2167656	Sunny	12	1500	2.9x1.7x1.3	0.3	14.95	13.95	12.49	10.95
1950497	ReliaPro	12	2000	2.9x2.1x1.3	0.4	15.95	14.49	12.95	11.49
2154994	ReliaPro	12	2000	2.9x2.1x1.3	0.4	13.95	12.95	11.49	9.95
254757	ReliaPro	15	800	2.9x1.3x2.2	0.2	12.95	11.49	10.49	9.49
252904	ReliaPro	15	1000	2.9x1.3x2.2	0.3	13.95	12.95	11.95	10.95
252858	ReliaPro	24	250	2.5x1.1x1.7	0.2	10.95	9.95	8.95	7.95
1952919	ReliaPro	24	500	2.9x1.3x1.7	0.3	11.95	10.95	9.95	8.95
252866	ReliaPro	24	500	2.9x1.3x2.2	0.3	12.95	11.95	10.95	9.95
2076341	ReliaPro	24	630	2.9x1.3x2.2	0.3	12.95	11.95	10.95	9.95

CEC

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

AC-to-DC Regulated Wall Adapters



Energy Star Worldwide Interchangeable AC-to-DC Regulated Switching Wall Adapters

Meets US and European Energy Star compliance. Approved for European high-efficiency power applications.

- Field changeable AC Plug Clips (**sold separately, see below**)
- Regulated output • Double insulated
- Input voltage: 90-264VAC @ 47-63Hz • Power-On LED
- Output connector: 2.1mm x 5.5mm female center positive; except P/N 2144809: 2.5mm x 5.5mm female straight center positive
- Load regulation: $\pm 5\%$ • Class B EMI • Color: black
- Applications: wireless communications, portable equipment, digital camera, peripherals and networking



Phihong & Mean Well AC Plug Clips (below)



Shown w/o AC Plug Clip
AC Plug Clips Not Included

Wall Adapters (AC Plug Clip required, not included)

Part No.	Manufacturer	Product No.	Output Volt. (VDC)	Current (A)	Power (W)	Ripple (mVp-p)	Line Regulation	Efficiency (%)	Dimensions (L" x W" x H")	Pricing		
										1	5	25
2161570	ReliaPro	SA050100R1340 [†]	5	1.0	5	300	$\pm 5\%$	80	2.7 x 1.8 x 0.8	\$6.95	\$6.49	\$5.95
2144809	Phihong	PSA08R-050 [†]	5	1.0	5	50	$\pm 1\%$	70	2.8 x 1.8 x 1.0	10.95	9.95	8.95
2139815	Phihong	PSAC05R-050(P) [†]	5	1.0	5	50	$\pm 1\%$	60 - 75	2.8 x 1.8 x 1.2	11.95	10.95	9.95
2158240	Phihong	PSM11R-050 [†]	5	2.0	10	100	$\pm 5\%$	70	2.8 x 1.7 x 1.2	10.95	9.95	8.95
2155401	Phihong	PSA15R-090P-R [†]	9	1.66	15	90	$\pm 5\%$	75	2.8 x 2.0 x 1.3	13.95	11.49	10.95
2082311	Mean Well	GE18I09-P1J [†]	9	2.0	18	100	$\pm 5\%$	75	3.2 x 1.7 x 1.6	14.95	12.95	11.75
2138951	Phihong	PSA11R-120	12	0.83	10	120	$\pm 1\%$	65	2.8 x 1.8 x 1.2	9.95	8.95	7.95
2167541	ReliaPro	HK-CP12-A12 [†]	12	1.0	12	120	$\pm 5\%$	80	3.0 x 1.8 x 1.5	13.95	12.95	11.49
2108656	Phihong	PSC12R-120 [†]	12	1.0	12	240	$\pm 5\%$	78	2.8 x 1.8 x 1.2	14.95	13.95	12.95
2154986	ReliaPro	FW75550/12 [†]	12	1.25	15	150	$\pm 5\%$	80	3.5 x 2.0 x 1.3	15.95	14.95	13.95
2100179	Phihong	PSAA20R-120 [†]	12	1.67	20	120	$\pm 5\%$	81	2.8 x 2.0 x 1.3	17.95	16.95	14.49
2173001	ReliaPro	S024EM1200200 [†]	12	2.0	24	120	$\pm 2\%$	87	3.2 x 1.9 x 1.4	19.95	17.95	15.49
2082337	Mean Well	GE12I15-P1J [†]	15	0.8	12	150	$\pm 3\%$	76	2.8 x 1.6 x 1.5	10.95	9.49	8.49
2082345	Mean Well	GE12I24-P1J [†]	24	0.63	15	240	$\pm 3\%$	80	2.8 x 1.6 x 1.5	10.95	9.49	8.49
2155410	Phihong	PSC30R-240-R [†]	24	1.25	30	240	$\pm 1\%$	80	3.9 x 2.5 x 1.4	17.95	16.49	14.95

[†] Includes USA AC plug clip (RPA) [†] 2.5mm x 5.5mm female plug [†] Mini USB plug [†] Kit includes US, UK, EU, AU plugs

Phihong AC Plug Clips (sold separately, required for above adapters)

Part No.	Mfr. P/N	Description (see above for photos)	1	10	50	250
229155	RPA [†]	USA AC plug only	\$1.25	\$1.19	\$1.09	\$0.99
229163	RPE [†]	European AC plug only	1.25	1.19	1.09	.99
229181	RPKIT [†]	Kit includes RPA/RPE/RPK/RPS clips (4)	4.49	4.25	3.95	3.59

Mean Well AC Plug Clips (sold separately, required for above adapters)

Part No.	Mfr. P/N	Description (see above for photos)	1	5	25
2082353	AC-Plug-US [†]	USA AC plug only	\$0.75	\$0.65	\$0.59
2082361	AC-Plug-EU [†]	European AC plug only	.95	.85	.75
2082396	AC-Plug-MIX [†]	Kit includes US, EU, UK & AU clips (4)	3.65	3.25	2.95

JAMECO ReliaPro AC-to-DC Regulated Linear Wall Adapters

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♦ Polarity 1 (center negative)
Polarity 2 (center positive)
Female(F) Male(M)

Part No.	Manufacturer	Product No.	Output Rating		Output Connector ID x OD mm Female/Male; Polarity ♦	Input VAC @ Hz	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)								1	10	50	250
164101	ReliaPro	GPU410500500WD00	5	500	2.1mm x 5.5mm F 2	120 @ 60	3.1 x 2.1 x 1.7	Black	6'	0.6	UL/CUL	\$10.95	\$9.95	\$8.95	\$7.95
2081609	Condor	RWP480505	5	1000	2.1mm x 5.5mm F 2	120 @ 60	3.2 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	7.95	6.95	5.95	4.95
1953612	ReliaPro	DBU0501000	5	1000	2.1mm x 5.5mm F 2	120 @ 60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CUL	9.95	8.95	7.95	7.49
168605	ReliaPro	DBU0501000	5	1000	2.5mm x 5.5mm F 2	120 @ 60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CUL	10.95	9.95	8.95	7.95
190512	ReliaPro	DBU60020-H3570	6	200	2.1mm x 5.5mm F 2	120 @ 60	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	9.95	8.95	7.95	6.95
283573	ReliaPro	ADR-6V500MA-2.1	6	500	2.1mm x 5.5mm F 2	120 @ 60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	10.95	9.95	8.95	7.95
1953701	ReliaPro	ADR-6V500MA-2.5	6	500	2.5mm x 5.5mm F 2	120 @ 60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	7.95	6.95	5.95	5.49
190529	ReliaPro	AD9123	9	250	2.5mm x 5.5mm right angle F 2	120 @ 60	2.5 x 2.0 x 1.6	Black	6'	0.5	UL/CUL	10.95	9.95	8.95	7.95
1953639	ReliaPro	DCU09050	9	500	2.1mm x 5.5mm F 2	120 @ 60	2.4 x 2.0 x 1.6	Black	6'	0.9	UL/CUL	10.95	10.49	9.95	8.95
1953647	ReliaPro	SF41-0900500RU	9	500	2.5mm x 5.5mm F 2	120 @ 60	3.0 x 2.0 x 1.6	Black	6'	0.9	UL/CUL	10.95	10.49	9.95	8.95
220898	ReliaPro	DCU120020	12	200	2.1mm x 5.5mm F 1	120 @ 60	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	8.95	7.95	6.95	6.25
162996	ReliaPro	DDU120050	12	500	2.1mm x 5.5mm F 2	120 @ 60	3.2 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	11.95	10.95	9.95	8.95
170245	ReliaPro	RDU120100	12	1000	2.1mm x 5.5mm F 2	120 @ 60	3.2 x 2.3 x 2.0	Black	6'	1.2	UL/CUL	14.95	13.49	11.95	10.95
1953663	ReliaPro	DCU1201000	12	1000	2.5mm x 5.5mm F 2	120 @ 60	3.3 x 2.3 x 2.0	Black	6'	1.2	UL/CUL	14.95	13.49	11.95	10.95
174861	ReliaPro	DFU240050	24	500	2.1mm x 5.5mm F 2	120 @ 60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	14.95	13.49	11.95	10.95
174879	ReliaPro	DCU090025	24	500	2.5mm x 5.5mm F 2	120 @ 60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	14.95	13.49	11.95	10.95

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JAMECO ReliaPro AC-to-DC Unregulated Linear Wall Adapters

120VAC @ 60Hz

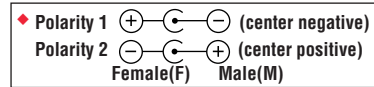
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A 100 pc. minimum order applies.



*Web Code: UAP



Part No.	Manufacturer	Product No.	Output Rating		Output Connector ID x OD mm Female/Male: Polarity ◆	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)							1	10	50	250
2126109	ReliaPro	K12D045025023U	4.5	250	2.1mm x 5.5mm F 2	2.3 x 1.5 x 1.4	Black	6'	0.3	UL/CUL	\$3.95	\$3.49	\$2.95	\$2.59
112070	ReliaPro	DBU050022Z5480	5	225	2.5mm x 5.5mm F 2	1.9 x 2.2 x 2.0	Black	7'	0.3	UL/CUL	5.95	5.49	4.95	4.49
2125536	CUI Inc	DPD050025	5	250	2.1mm x 5.5mm F 2	2.2 x 1.5 x 1.4	Black	6'	0.3	UL/CUL	2.95	2.59	2.25	1.95
155601	ReliaPro	DCU050100B3582	5	1000	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.7	Black	6'	0.7	UL/CUL	9.95	8.95	7.95	6.95
1918657	ReliaPro	DDU050100	5	1000	2.5mm x 5.5mm F 2	3.2 x 2.2 x 1.9	Black	6'	0.7	UL/CUL	9.95	8.95	7.95	6.95
119255	ReliaPro	DBU060050Z2251	6	500	2.1mm x 5.5mm F 1	2.3 x 1.8 x 1.8	Black	6'	0.6	UL/CUL	6.95	6.25	5.59	4.95
101266	ReliaPro	DBU060050E3860	6	500	2.1mm x 5.5mm F 2	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CUL	6.95	6.25	5.59	4.95
15544	ReliaPro	DBU060050Z8371	6	500	3.5mm M 2	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CUL	6.95	6.25	5.59	4.95
2081431	ReliaPro	DV-0670-B14	6	700	2.1mm x 5.5mm F 2	2.4 x 2.0 x 1.6	Black	6'	0.5	UL/CUL	3.95	3.49	2.95	2.59
147707	ReliaPro	DBU060080C6962	6	800	2.1mm x 5.5mm F 2	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	8.95	7.95	6.95	5.95
220943	ReliaPro	DCU060120G2401	6	1200	2.1mm x 5.5mm F 1	2.5 x 2.0 x 1.7	Black	6'	0.7	UL/CUL	9.95	8.95	7.95	6.95
220951	ReliaPro	DCU075100G2291	7.5	1000	2.1mm x 5.5mm F 1	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	8.95	7.95	6.95	5.95
248751	ReliaPro	AD-071A	7.5	1000	2.5mm x 5.5mm F 2	2.3 x 2.3 x 1.9	Black	6'	0.9	UL/CSA	5.95	5.49	4.95	4.59
355936	ReliaPro	DBU090020	9	200	1.3mm x 3.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	5.95	5.35	4.79	4.39
134025	ReliaPro	DBU090020Z6100	9	200	2.1mm x 5.5mm F 1	2.1 x 1.7 x 1.6	Black	6'	0.4	UL/CUL	5.95	5.35	4.79	4.39
2100152	ReliaPro	AP2911	9	200	2.1mm x 5.5mm F 2	2.6 x 1.8 x 1.5	Black	6'	0.4	UL/CUL	3.95	3.49	2.95	2.59
100845	ReliaPro	DBU090020E0850	9	200	2.1mm x 5.5mm F 2	2.1 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	6.95	5.95	5.49	4.59
2082556	ReliaPro	5-2616	9	200	2.1mm x 5.5mm right angle F 2	2.2 x 1.4 x 1.4	Black	6'	0.5	UL/CUL	3.95	3.49	2.95	2.59
2082548	Atlinks	5-2617	9	200	2.1mm x 5.5mm right angle F 2	2.2 x 1.4 x 1.4	Gray	6'	0.5	UL/CUL	2.95	2.49	1.95	1.75
2138847	ReliaPro	D6300-01	9	200	2.5mm M 2	2.2 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	3.95	3.49	2.95	2.59
133891	ReliaPro	DBU090030C112	9	300	2.1mm x 5.5mm F 2	2.0 x 1.5 x 1.5	Black	6'	0.4	UL/CUL	6.95	5.95	5.49	4.95
318676	ReliaPro	DBU090030H5790	9	300	2.5mm x 5.5mm F 1	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	6.95	5.95	5.49	4.95
1949120	ReliaPro	AD35-0900300DU	9	300	2.5mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL	4.95	4.49	3.95	3.59
189238	ReliaPro	DBU090030H4540	9	300	2.5mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	6.95	5.95	4.95	4.49
163628	ReliaPro	DCU090050Z7484	9	500	2.1mm x 5.5mm F 1	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CUL	7.95	6.95	6.25	5.49
100853	ReliaPro	DCU090050E2961	9	500	2.1mm x 5.5mm F 2	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CUL	7.95	6.95	6.25	5.49
236937	ReliaPro	DCU090050G6440	9	500	2.5mm x 5.5mm right angle F 2	2.5 x 2.0 x 1.7	Black	6'	0.4	UL/CUL	7.95	6.95	6.25	5.49
15561	ReliaPro	DCU090050A2011	9	500	3.5mm M 2	2.5 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	7.95	6.95	6.25	5.49
202180	ReliaPro	DCU090060F2091	9	600	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	7.95	6.95	5.95	5.49
100175	ReliaPro	DCU090060Z6652	9	600	2.5mm x 5.5mm F 2	2.7 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	7.95	6.95	5.95	5.49
202198	ReliaPro	DCU090080F2221	9	800	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.95	5.49	4.95	3.95
164929	ReliaPro	DDU090100C2550	9	1000	2.1mm x 5.5mm F 1	2.7 x 2.3 x 1.8	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	6.95
421690	ReliaPro	SA48-29A	9	1000	2.1mm x 5.5mm F 2	3.1 x 2.2 x 1.8	Black	6'	1.1	UL/CSA	8.95	7.95	6.95	5.95
364576	ReliaPro	DDU090100J0490	9	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	6.95
2099905	Golden Regent	W48D-H1000	9	1000	2.5mm x 5.5mm F 1	3.2 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	2.95	2.49	1.95	1.59
2099913	ENG Electric*	T48-9-1000D3	9	1000	2.5mm x 5.5mm F 1 (Euro plug)	3.2 x 2.3 x 1.9	Black	6'	0.9	CE/TUV	2.95	2.49	1.95	1.59
2099921	ENG Electric*	T48-9-1000D4	9	1000	2.5mm x 5.5mm F 1 (UK plug)	3.2 x 2.3 x 1.9	Black	6'	0.9	CE/TUV	2.95	2.49	1.95	1.59
127505	ReliaPro	DDU090100	9	1000	2.5mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	6.95
130526	ReliaPro	DDE090120F3621	9	1200	2.1mm x 5.5mm F 1	2.4 x 2.0 x 1.8	Black	6'	1.0	UL/CSA	11.95	10.95	9.95	8.95
2082193	Philips	SPA-3545-81	12	100	2.1mm x 5.5mm F 2	2.5 x 1.8 x 1.5	Black	6'	0.5	UL/CSA	3.49	2.95	2.49	1.95
100095	ReliaPro	DBU120020G0610	12	200	2.1mm x 5.5mm F 2	2.1 x 1.8 x 1.5	Black	6'	0.4	UL/CUL	5.95	5.49	4.95	4.49
158043	ReliaPro	DBU120020E2261	12	200	2.1mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	5.95	5.49	4.95	4.49
2167226	ReliaPro	4292A	12	200	2.5mm x 5.5mm F 2	2.3 x 2.1 x 1.6	Black	6'	0.5	UL/CSA	5.49	4.95	4.49	3.95
127976	ReliaPro	DCU120030D7161	12	300	2.1mm x 5.5mm F 2	2.6 x 1.8 x 1.6	Black	6'	0.7	UL/CUL	7.95	6.95	5.95	4.95
114825	ReliaPro	DCU120050D4740	12	500	Stripped & tinned	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	7.95	6.95	6.59	5.95
15368	ReliaPro	DCU120050Z8698	12	500	2.1mm x 5.5mm F 1	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CUL	7.95	6.95	6.59	5.95
102496	ReliaPro	DCU120050E8601	12	500	2.1mm x 5.5mm F 2	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CUL	7.95	7.29	6.59	5.95
102277	ReliaPro	DCU120050UE2631	12	500	2.5mm x 5.5mm F 2	2.5 x 2.1 x 1.7	Black	6'	0.6	UL/CUL	7.95	7.29	6.59	5.95
17267	ReliaPro	DCU120050Z5391	12	500	3.5mm M 2	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CUL	7.95	7.29	6.59	5.95
2167373	ReliaPro	MW41-1200600	12	600	2.1mm x 5.5mm right angle F 2	2.5 x 2.0 x 1.6	Black	6'	0.7	UL/CUL	6.95	6.49	5.95	5.49
2167365	ReliaPro	A31265	12	600	2.1mm x 5.5mm right angle F 2	2.5 x 2.0 x 1.6	Black	6'	0.7	UL/CSA	6.95	6.49	5.95	5.49
202219	ReliaPro	DCU120070F2142	12	700	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	8.95	7.95	7.29	6.49
117479	ReliaPro	DDU120080E6451	12	800	2.1mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CUL	8.95	7.95	7.49	6.95
129331	ReliaPro	DDU120080F2212	12	800	2.5mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CUL	8.95	7.95	7.49	6.95
121232	ReliaPro	DDU120080F2471	12	800	3.5mm M 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CUL	8.95	7.95	7.49	6.95
100870	ReliaPro	DDU120100Z7974	12	1000	2.1mm x 5.5mm F 2	2.6 x 2.4 x 1.9	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	7.29
105478	ReliaPro	DDU120100Z2993	12	1000	2.5mm x 5.5mm F 2	3.1 x 2.4 x 2.0	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29
15392	ReliaPro	DDU120100E7302	12	1000	3.5mm M 2	3.3 x 2.4 x 2.0	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29

* 240VAC 50Hz

More AC-to-DC Wall Adapters listed on pages 93-95 & 97

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Unregulated Linear Wall Adapters & Switching Power Supplies

JAMECO ReliaPro

AC-to-DC Unregulated Linear Wall Adapters (Continued)

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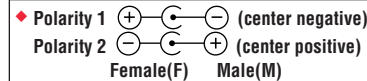
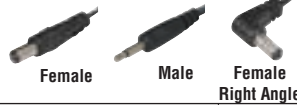


* Web Code: UAP

120VAC @ 60Hz

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Part No.	Manufacturer	Product No.	Output Rating		Output Connector ID x OD mm Female/Male; Polarity ◆	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)							1	10	50	250
2125991	CUI Inc	57-12-1200D	12	1200	2.1mm x 5.5mm F 2	3.6 x 2.6 x 2.1	Black	6'	1.4	UL/CUL	\$8.95	\$7.95	\$6.95	\$5.95
196779	ReliaPro	DDU120120G0031	12	1200	2.5mm x 5.5mm F 2	3.0 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	10.95	9.95	8.95	7.95
203036	ReliaPro	DDU120150H4530	12	1500	2.1mm x 5.5mm F 1	3.3 x 2.2 x 1.9	Black	6'	1.5	UL/CUL	15.95	14.95	13.49	11.95
136881	ReliaPro	DDU120150K1960	12	1500	2.1mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	15.95	14.95	13.49	11.95
101291	ReliaPro	DDU120150	12	1500	2.5mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	15.95	14.95	13.49	11.95
2173028	ENG	57-12-2000D	12	2000	2.1mm x 5.5mm F 2	3.4 x 2.6 x 2.2	Black	6'	1.7	UL/CUL	17.95	16.49	14.95	12.49
2135620	Tamura	425A12400P	12.5	400	2.1mm x 2.5mm right angle F 2	3.3 x 2.2 x 1.6	Black	8'	0.7	UL/CUL	4.95	3.95	3.49	2.95
308099	ReliaPro	DDU135100H3210	13.5	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	10.95	9.95	8.95	7.95
2135582	Ault	P48131000A010G	13.5	1000	2.5mm x 5.5mm right angle F 2	3.2 x 2.2 x 1.9	Black	6'	1.1	UL/CSA	8.95	7.95	6.95	5.95
123932	ReliaPro	DDU140070Z7470	14	700	2.1mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	1.0	UL/CUL	8.95	7.95	6.95	6.25
202260	ReliaPro	DDU140100F3270	14	1000	2.1mm x 5.5mm F 2	3.9 x 2.9 x 2.4	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	6.95
2172720	Globtek	WD1G500CCP-N	15	500	2.1mm x 5.5mm F 2	3.2 x 2.3 x 1.9	Black	6'	0.8	UL/CUL	7.95	6.95	6.25	5.49
190001	ReliaPro	DCU150050E3021	15	500	2.1mm x 5.5mm F 2	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CUL	8.95	7.95	7.29	6.49
189982	ReliaPro	DCU150050E3031	15	500	2.5mm x 5.5mm F 2	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CUL	8.95	7.95	7.29	6.49
2135427	Ventronics	D48W150900-14/1	15	900	2.1mm x 5.5mm F 2	2.5 x 2.2 x 2.0	Black	6'	0.8	UL/CUL	8.95	7.95	6.95	5.95
203502	ReliaPro	DDU150090F4480	15	900	2.5mm x 5.5mm F 2	2.6 x 2.2 x 1.9	Black	6'	1.0	UL/CUL	8.95	7.95	6.95	5.95
191652	ReliaPro	DDU150100D7051	15	1000	2.1mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CUL	10.95	9.95	8.95	7.95
2167525	ReliaPro	DDU150100RR2200	15	1000	2.5mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CUL	10.95	9.95	8.95	7.95
162317	ReliaPro	DDU165050J19910	16	500	2.1mm x 5.5mm F 2	2.5 x 2.0 x 1.7	Black	6'	0.8	UL/CUL	9.95	8.95	7.95	7.29
217541	NiteRider	FE4116168C030	16.8	300	2.5mm x 5.5mm F 2	3.1 x 2.1 x 1.6	Black	6'	0.6	UL/CUL	2.95	2.59	2.29	1.95
2081713	DVE	DV-1790	17	900	2.5mm x 5.5mm F 2	3.2 x 2.2 x 2.0	Black	6'	1.2	UL/CSA	2.95	2.59	1.95	1.59
217568	NiteRider	FE4126180P040	18	400	2.5mm x 5.5mm F 2 (w/ LED indicator)	3.5 x 2.1 x 1.6	Black	6'	0.8	UL/CUL	3.95	3.49	2.95	2.59
163272	ReliaPro	DDU180050C1031	18	500	2.1mm x 5.5mm F 2	2.6 x 2.3 x 1.9	Black	6'	0.8	UL/CUL	6.95	5.95	5.25	4.59
206958	ReliaPro	DDU180100H4551	18	1000	2.5mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.4	UL/CUL	10.95	9.95	8.95	7.95
102285	ReliaPro	DDU240040Z7860	24	400	2.1mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CUL	8.95	7.95	7.29	6.49
163635	ReliaPro	DDU240050C1981	24	500	2.1mm x 5.5mm F 1	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29
191556	ReliaPro	DDU240050E5852	24	500	2.5mm x 5.5mm F 2	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29
139088	ReliaPro	DDU240050E9160	24	500	3.5mm M 2	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29
1918930	ReliaPro	DDU240060L260	24	600	2.1mm x 5.5mm F 2	2.9 x 2.2 x 1.9	Black	6'	0.4	UL/CUL	10.95	9.95	8.95	7.95
168495	ReliaPro	DFU240080J3180	24	800	2.1mm x 5.5mm F 2	2.9 x 1.9 x 1.6	Black	6'	0.4	UL/CUL/TUV	12.95	11.95	10.95	9.95
220960	ReliaPro	DFU240100G2300	24	1000	2.1mm x 5.5mm F 1	3.4 x 2.7 x 2.2	Black	6'	1.6	UL/CUL	14.95	13.49	11.95	9.95
249121	ReliaPro	DFU240120/G8520	24	1150	2.1mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.95	15.95	14.49	12.95
249113	ReliaPro	DFU240120/G8510	24	1150	2.5mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.95	15.95	14.49	12.95
199523	ReliaPro	DDU300050E9340	30	500	2.5mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	10.95	9.95	8.95	7.95
15309	ReliaPro	900-051*	3, 4.5, 6, 7.5, 9, 12	500	1.3x3.5, 2.1x5, 2.5x5.5 Female 2.5, 3.5 Male, 9V battery snap (LED ind.)	3.0 x 2.2 x 2.1	Black	6'	0.7	UL/CSA	9.95	8.95	7.95	6.95
2167621	Seven Star	SS104**	1.5, 3, 4.5, 6, 7.5, 9, 12	500	0.7x2.3, 1.5x4, 2.1x5, 2.5x5.5 Female 2.5, 3.5 Male (LED indicator)	3.3 x 2.0 x 1.9	Black	6'	0.8	—	10.95	9.95	8.95	7.95
123158	ReliaPro	900-100**	1.5, 3, 4.5, 6, 7.5, 9, 12	1000	1.3x3.5, 2.1x5, 2.5x5.5 Female 2.5, 3.5 Male, 9V battery snap (LED ind.)	3.7 x 2.2 x 2.5	Black	6'	0.9	—	11.95	10.95	9.95	8.95

*120VAC input voltage

**110/220VAC input voltage

GlobTek® AC-to-DC Medical Table-Top Regulated Switching Power Supplies

* Web Code: WBM

- 2.5mm x 5.5mm female center positive
- Input voltage: 90-264VAC @ 47-63Hz
- Leakage current: 0.1mA max.
- Regulation (line & load): ±5%
- Isolation voltage: 4,000VAC
- 3-wire AC input
- Ripple & noise: 1% or 100mV, whichever is smaller
- Cord lengths: DC: 6'; AC: not included use P/N 132011, pg 105
- Size: 2.9"L x 2.0"W x 1.6"H



Part No.	Mfr. Part No.	Power (W)	Output VDC/Amps	Pricing		
				1	5	25
230683	TR9CE1250CP	15.6	+12/1.3	\$34.95	\$29.95	\$24.95
230763	TR9CE4000LCP	49.2	+12/4.1	54.95	49.95	45.95
230798	TR9C12100LCP	50.4	+24/2.1	59.95	53.95	47.95

* Interchangeable Power Supplies, Adapters and Tips — Enter Web Code NBH

Accessory Power Input Cords for Table-Top Power Supplies

* Web Code: UBF



189587



38050



1951123

Part No.	Ref. No. *	Description	Color	AWG	Certification	Cord Length	Wt. (lbs.)	Cord Type	1	10	50	250
189587	1	2-conductor power cord (Figure 8 style)	Black	18/2	UL/CSA	6'	0.3	SPT	\$2.95	\$2.69	\$2.39	\$2.19
38050	2	3-conductor power cord	Black	18/3	UL/CSA	6'	0.4	SVT	4.95	4.49	3.95	3.59
1953559	3	3-conductor flat power cord (Mickey Mouse™ style)	Black	18/3	UL/CSA	6'	0.4	SPT-2	2.95	2.59	2.29	1.95
1951123	3	3-conductor round power cord (Mickey Mouse™ style)	Black	18/3	UL/CSA	6'	0.4	SVT	3.95	3.59	3.29	2.95

* These reference numbers for "AC cord needed" for Table-Top Power Supplies on pages 98-100

More Power Cords on page 105

* For additional products, availability, and additional specifications visit [Jameco.com](http://www.Jameco.com) and enter the web code in the product search box

3 LEVELS OF SAVINGS
NAME BRANDS HOUSE BRANDS FACTORY OVERRUN

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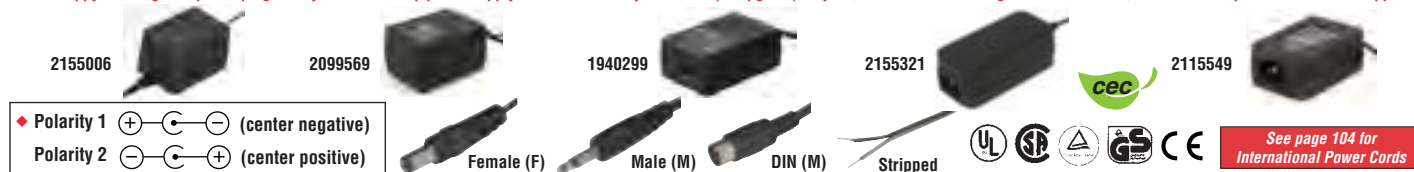
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Jameco carries the full line of Mean Well Power products. For additional products visit www.Jameco.com/meanwellproducts



AC-to-DC Regulated & Unregulated Linear & Switching Table-Top Power Supplies

We are happy to change the power plug on any listed table-top power supply to a connector of your choice (see pg 101) for just \$2.50 ea. Overmolding also available @ \$4.00 ea. A 100 pc. minimum order applies.



Part No.	Manufacturer	Product No.	Output Volts (VDC)/ Current (A)	Output Connector ID x OD/F = female; M = male; Polarity ⬆	Input VAC@Hz	Output Power (W)	LED Ind.	Size (L" x W" x H")	Cords * (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing		
												1	5	25
2-Wire AC Input – Unregulated Linear Table-Top												* Web Code: TBE		
2155006	Lite-On	PB-1090-1L1	+12/0.75	2.5mm x 5.5mm F 2	120@60	9	No	3.2 x 2.2 x 1.9	6'/6'	1.1	UL/CUL	\$8.95	\$7.95	\$6.95
2081941	Toshiba	AD-121ADT	+12/1.0	2.1mm x 5.5mm F 2	120@60	12	No	3.2 x 2.2 x 1.9	6'/6'	1.3	UL/CUL	6.95	6.25	5.59
140880	ReliaPro	DC1215ST	+12/1.5	Stripped & Tinned	120@60	18	No	3.1 x 2.1 x 1.9	6'/6'	1.5	UL	12.95	11.95	10.95
143715	ReliaPro	DC1220F1	+12/2.0	2.1mm x 5.5mm F 2	120@60	24	No	3.8 x 2.8 x 2.3	6'/6'	2.2	UL/CUL	15.95	14.95	13.95
143722	ReliaPro	DC1220F5	+12/2.0	2.5mm x 5.5mm F 2	120@60	24	No	3.8 x 2.8 x 2.3	6'/6'	2.2	UL/CUL	15.95	14.95	13.95
143731	ReliaPro	DC1220M3	+12/2.0	3.5mm M 2	120@60	24	No	3.8 x 2.8 x 2.3	6'/6'	1.9	UL/CUL	14.95	13.49	11.95
2099569	ReliaPro	57-1607-U4D	+16/0.7	2.5mm x 5.5mm F 2	120@60	19	No	3.6 x 2.7 x 3.6	6'/6'	1.3	UL	4.95	4.49	3.95
174845	ReliaPro	GQ-ADT57250-0044	+24/1.0	2.1mm x 5.5mm F 2	120@60	24	No	3.4 x 2.6 x 2.2	6'/6'	2.6	UL	17.95	15.95	14.49
139096	ReliaPro	EHU240120	+24/1.2	2.1mm x 5.5mm F 2	120@60	29	No	4.4 x 3.1 x 2.6	6'/6'	2.5	—	15.95	14.95	13.95
2-Wire AC Input – Regulated Switching Table-Top – Single Output												* Web Code: DDZ		
1940299	Mean Well	GS18B05-P1J	+5/3.0	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.1 x 2.1 x 1.3	4'/1	0.5	UL/CUL/TUV/CE	\$13.49	\$12.49	\$11.25
195806	ReliaPro	DCR920F12	+9/2.0	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	4.2 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	19.95	18.95	17.95
1940310	Mean Well	GS18809-P1J	+9/2.0	2.1mm x 5.5mm F 2	90-264@47-63	18	Yes	3.1 x 2.1 x 1.3	6'/1	0.5	UL/CUL/TUV/CE	13.49	12.49	11.25
191353	Delta	ADP-15FB	+12/1.25	2.1mm x 5.5mm F 2	100-240@50-60	15	No	3.5 x 2.3 x 1.2	6'/1	0.5	UL/CE	9.95	8.95	7.95
2150977	Fairway	VE15B-120	+12/1.5	2.1mm x 5.5mm F 2	100-240@50-60	18	No	3.3 x 2.2 x 1.0	6'/1	0.4	UL/CUL/TUV/CE	14.95	13.49	12.49
1940328	Mean Well	GS18B12-P1JT	+12/1.5	2.1mm x 5.5mm F 2	100-240@50-60	18	No	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CUL/TUV/CE	17.95	15.49	13.95
2167445	ReliaPro	ADPV16	+12/3.0	2.1mm x 5.5mm F 2	100-240@50-60	36	No	3.6 x 1.6 x 1.1	5'/1	0.4	UL/CUL/CE/CSA	22.95	19.95	17.95
2155321	ReliaPro	PA1045-120T2B375-APF02	+12/3.75	2.1mm x 5.5mm F 2	90-264@50-60	45	Yes	4.3 x 2.1 x 1.2	6'/1	0.5	UL/CUL/TUV/CE	24.95	22.49	19.95
2155330	ReliaPro	PA1045-120T2B375-APF04	+12/3.75	2.5mm x 5.5mm F 2	90-264@50-60	45	Yes	4.3 x 2.1 x 1.2	6'/1	0.5	UL/CUL/TUV/CE	24.95	22.49	19.95
1940521	Mean Well	GS25B15-P1J	+15/1.66	2.1mm x 5.5mm F 2	100-240@50-60	25	No	3.1 x 2.1 x 1.3	6'/1	0.5	UL/CUL/TUV/CE	14.25	12.95	11.49
1940547	Mean Well	GS25B24-P1J	+24/1.04	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.1 x 2.1 x 1.3	6'/1	0.5	UL/CUL/TUV/CE	14.25	12.95	11.49
221613	Mean Well	P30B-6P2JT	+24/1.12	2.1mm x 5.5mm F 2	100-240@50-60	27	Yes	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	22.95	19.95	18.49
1940230	EDAC Inc	EA1030D2	+24/1.25	2.1mm x 5.5mm F 2	100-240@50-60	30	Yes	3.9 x 1.8 x 1.2	4'/1	0.5	UL/CUL/TUV/CE	19.95	17.95	15.95
2158021	Phihong	PSAC60W-240-R	+24/2.5	2.1mm x 5.5mm F 2	100-240@50-60	60	No	5.1 x 2.4 x 1.3	4'/1	0.5	UL/CUL	39.95	36.95	33.95
1707139	Mean Well	ES25B48-P1J	+48/0.52	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.1 x 2.1 x 1.3	6'/1	0.4	UL/CUL/TUV/CE	14.95	13.95	11.49
2-Wire AC Input – Regulated Switching Table-Top – Triple Output												* Web Code: TTO		
196138	DVE	DSA-0283A	+5/1.1, +12/1.49 -5/0.43 (Requires 20% min. load on all outputs)	5-pin DIN M	100-240@47-63	23	No	4.9 x 2.7 x 1.5	6'/1	0.8	UL/CSA/TUV	\$3.95	\$3.59	\$3.25
3-Wire AC Input – Regulated Switching Table-Top – Single Output												* Web Code: DDZ		
2115549	ReliaPro	217-03814	+5/0.5	2.1mm x 5.5mm F 2	100-240@50-60	2.5	No	3.1 x 2.0 x 1.2	6'/2	0.4	UL/CSA	\$4.95	\$3.95	\$3.49
308700	ReliaPro	ZD0001F	+5/1.0	2.1mm x 5.5mm F 2	100-240@50-60	5	No	4.2 x 2.0 x 1.6	6'/2	0.4	UL/CUL/TUV/CE	6.95	5.95	4.95
309876	ReliaPro	GI12-US0520	+5/2.0	2.1mm x 5.5mm F 2	100-240@50-60	10	No	2.6 x 1.9 x 1.3	6'/2	0.4	UL/CUL/TUV/CE	9.95	8.95	7.95
196218	GlobTek	GT-21089-1305T3	+5/2.0	2.1mm x 5.5mm F 2	120-240@50-60	10	No	3.4 x 1.9 x 1.3	6'/2	0.4	UL/CUL/TUV/CE	15.95	14.49	12.95
1955642	Delta	ADP-105B	+5/2.0	2.1mm x 5.5mm F 2	100-240@50-60	10	No	3.3 x 1.9 x 1.2	6'/2	0.3	UL/CUL/CE	6.95	5.95	4.95
1954236	Mean Well	GS15A-1P1J	+5/2.4	2.1mm x 5.5mm F 2	90-264@47-63	12	No	3.9 x 2.3 x 1.3	6'/2	0.4	UL/CUL/TUV/CE	15.95	14.49	12.95
2115506	OEM	SYS1089-1305-T3	+5/2.6	2.1mm x 5.5mm F 2	100-240@50-60	13	No	3.4 x 1.8 x 1.3	6'/2	0.3	UL/CUL/CE	6.95	5.95	4.95
1940387	Mean Well	GS18A05-P1J	+5/3.0	2.1mm x 5.5mm F 2	100-240@50-60	15	Yes	3.7 x 2.1 x 1.4	4'/2	0.5	UL/CUL/TUV/CE	13.49	12.49	11.25
1940571	Mean Well	GS25A05-P1J	+5/4.0	2.1mm x 5.5mm F 2	100-240@50-60	20	Yes	3.7 x 2.1 x 1.4	4'/2	0.5	UL/CUL/TUV/CE	14.25	12.95	11.49
1952337	Mean Well	GS40A05-P1JU	+5/5.0	2.1mm x 5.5mm F 2	90-264@47-63	25	Yes	4.9 x 2.0 x 1.2	4'/2	0.7	UL/CUL/TUV/CE	18.49	16.95	14.95
2135700	Condor	HK-D530-A05	+5/6.0	2.5mm x 5.5mm F 2	100-240@50-60	30	No	4.7 x 2.1 x 1.3	8'/2	0.5	UL/CUL/TUV/CE	29.95	26.95	22.95
320081	GlobTek	TR9CA6000LCP-Y	+5/6.0	2.5mm x 5.5mm F 2	100-240@50-60	30	Yes	4.7 x 2.4 x 1.3	6'/2	0.7	UL/CUL/TUV/CE	39.95	35.95	31.95
2144956	ReliaPro	GQ65-060330-EI	+6/3.3	2.1mm x 5.5mm F 2	100-240@50-60	20	No	3.6 x 2.0 x 1.3	6'/3	0.3	UL/TUV/CE	17.95	15.95	13.95
206529	Mean Well	GS40A07-P1J	+7.5/5.34	2.1mm x 5.5mm F 2	100-240@50-60	40	Yes	4.9 x 2.0 x 1.3	6'/6'	1.5	UL/CUL/TUV/CE	18.49	16.95	14.95
2103118	Mean Well	GS60A07-P1J	+7.5/6.0	2.1mm x 5.5mm F 2	90-264@47-63	45	Yes	4.9 x 2.0 x 1.2	3.3'/2	0.7	UL/CUL/TUV/CE	20.49	18.49	—
2173036	Phihong	PSA18U-090	+9/2.0	2.1mm x 5.5mm F 2	100-240@50-60	18	No	3.9 x 2.2 x 1.2	5'/2	0.5	UL/CUL/TUV/CE	11.95	10.95	9.95
1940408	Mean Well	GS18A09-P1J	+9/2.0	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/2	0.6	UL/CUL/TUV/CE	13.49	12.49	11.25
2102916	Mean Well	GS40A09-P1J	+9/4.5	2.1mm x 5.5mm F 2	90-264@47-63	40	Yes	4.9 x 2.0 x 1.2	3.3'/2	0.6	UL/CUL/TUV/CE	18.49	16.95	14.95
1952361	Mean Well	GS60A09-P1J	+9/6.0	2.1mm x 5.5mm F 2	90-264@47-63	54	Yes	4.9 x 2.0 x 1.3	4'/2	0.7	UL/CUL/TUV/CE	20.49	18.49	—
1955651	ELPAC	W0812	+12/0.67	2.5mm x 5.5mm F 2	100-240@47-63	8	No	3.3 x 1.9 x 1.2	6'/6'	0.8	UL/CUL/TUV/CE	8.95	7.95	6.95

* See accessory table-top power cord chart on page 97 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord † Right angle

✓ CEC Equivalent available. Add a "C" before part number for CEC version. ◀ CEC

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

AC-to-DC Regulated Switching Table-Top Power Supplies



AC-to-DC Regulated Switching Table-Top Power Supplies



We are happy to change the power plug on any listed table-top power supply to a connector of your choice (see pg 101) for just \$2.50 ea. Overmolding also available @ \$4.00 ea. A 100 pc. minimum order applies.

Part No.	Manufacturer	Product No.	Output	Output Connector	Input	Output	LED	Size	Cords*	Wt.	Agency	Pricing		
			Volts (VDC) Current (A)	ID x OD mm Female/Male; Polarity		VAC@Hz						Power (W)	Ind.	(L" x W" x H")	(DC/AC)	(lbs.)	Approvals	1	5	25
3-Wire AC Input – Regulated Switching Table-Top – Single Output (Continued)												* Web Code: DDZ		
2150782	ReliaPro🌿	GQ65-120100EI	+12/1.0	2.1mm x 5.5mm F 2	100-240@50-60	12	No	3.6 x 1.9 x 1.3	6'/2	0.3	TUV(US)/TUV/CE	\$14.95	\$13.95	\$12.49
1954244	Mean Well🌿	GS15A-3P1J	+12/1.25	2.1mm x 5.5mm F 2	90-264@47-63	15	No	3.9 x 2.3 x 1.3	6'/2	0.4	UL/CUL/TUV/CE	15.95	14.49	12.95
2150993	DVE	DSA-0151D-12	+12/1.5	2.1mm x 5.5mm F 2⬆	100-240@47-63	18	No	3.9 x 2.0 x 1.3	6'/2	0.5	UL/CSA/TUV/CE	9.95	8.95	7.95
2135558	Joden	JSE-02512-9	+12/1.5	2.1mm x 5.5mm F 2	100-240@50-60	18	No	3.4 x 2.2 x 1.3	6'/2	0.5	UL/CUL/TUV	11.95	10.95	9.95
1940416	Mean Well🌿	GS18A12-P1JU	+12/1.5	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/6	0.5	UL/CUL/TUV/CE	13.49	12.49	11.25
2135507	SPC Technology🌿	SA121A6F-11	+12/1.6	2.1mm x 5.5mm F 2	100-250@47-63	19	No	3.2 x 2.2 x 1.9	6'/2	0.2	UL/CUL/TUV/CE	11.95	10.95	9.95
2135515	SPC Technology🌿	SA122A0U-11	+12/2.0	2.1mm x 5.5mm F 2	100-250@47-63	24	No	3.2 x 2.2 x 1.9	6'/2	0.2	UL/CUL/TUV	12.95	11.49	10.95
2099868	DVE	DSA-0421S	+12/2.0	2.1mm x 5.5mm F 2	100-240@50-60	24	Yes	3.7 x 2.2 x 1.3	6'/6	0.4	UL/CUL/TUV/CE	14.95	13.49	11.95
2155364	DVE	DSA-0421-12	+12/2.0	2.5mm x 5.5mm F 2	100-240@50-60	24	Yes	3.7 x 2.2 x 1.3	6'/6	0.4	UL/CUL/TUV/CE	14.95	13.49	11.95
1940601	Mean Well🌿	GS25A12-P1JU	+12/2.08	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.7 x 2.1 x 1.4	4'/6	0.5	UL/CUL/TUV/CE	14.25	12.95	11.49
2154978	ReliaPro🌿	GQ65120250-E1	+12/2.5	2.5mm x 5.5mm F 2	100-240@50-60	30	No	3.6 x 1.9 x 1.3	6'/2	0.5	TUV(US)/CE	19.95	17.95	15.95
2129158	Sparkle Power🌿	FSP040-DGAA1	+12/3.33	2.1mm x 5.5mm F 2	100-240@50-60	40	Yes	4.3 x 2.0 x 1.2	5'/2	0.5	UL/CUL/TUV/CE	20.95	18.95	16.95
1952345	Mean Well🌿	GS40A12-P1J	+12/3.34	2.1mm x 5.5mm F 2	90-264@47-63	40	Yes	4.9 x 2.0 x 1.3	4'/2	0.7	UL/CUL/TUV/CE	18.49	16.95	14.95
2079357	Mean Well🌿	GS40A12-P1M	+12/3.34	2.5mm x 5.5mm F 2	90-264@47-63	40	Yes	4.9 x 2.0 x 1.3	4'/2	0.7	UL/CUL/TUV/CE	18.49	16.95	14.95
2146151	Seasonic🌿	SSA-0401D-12	+12/3.4	2.5mm x 5.5mm F 2	90-264@47-63	40	Yes	4.5 x 1.9 x 1.4	3.3'/2	0.6	CUL/TUV/CB/CE	20.95	18.95	16.95
1940264	ReliaPro🌿	EA1050E	+12/3.5	2.1mm x 5.5mm F 2	100-240@50-60	42	Yes	4.7 x 2.4 x 1.4	4'/2	0.6	UL/CUL/TUV/CE	17.95	16.49	14.49
1940272	ReliaPro🌿	GQ65-120416-EI	+12/4.16	2.1mm x 5.5mm F 2	100-240@50-60	50	Yes	4.5 x 1.9 x 1.4	4'/2	0.6	TUV(US)/CE	18.95	17.95	15.95
2158485	Power-One	3F42050	+12/4.2	2.1mm x 5.5mm F 2⬆	100-240@50-60	50	Yes	4.7 x 2.4 x 1.4	6'/6	—	UL/CUL/CE	18.95	16.95	14.95
2100216	ReliaPro	BPA-501-12	+12/4.2	2.5mm x 5.5mm F 2	100-240@50-60	50	Yes	6.5 x 2.8 x 1.8	5'/2	0.7	UL/CSA/TUV	18.95	16.95	14.95
1952370	Mean Well🌿	GS60A12-P1J	+12/5.0	2.1mm x 5.5mm F 2	90-264@47-63	60	Yes	4.9 x 1.9 x 1.2	4'/2	0.7	UL/CUL/TUV/CE	20.49	18.49	—
2172771	ReliaPro🌿	EA1050A-120	+12/5.0	2.1mm x 5.5mm F 2	100-240@50-60	60	Yes	4.7 x 2.4 x 1.4	4'/2	0.7	UL/CUL/TUV/CE	19.95	17.95	15.49
2099420	Sparkle Power🌿	FSP060-DBAB1	+12/5.0	2.5mm x 5.5mm F 2⬆	100-240@50-60	60	Yes	4.3 x 2.4 x 1.2	5'/2	0.5	UL/CUL/TUV/CE	27.95	24.95	22.95
2078291	Mean Well	GS90A12-P1M	+12/6.67	2.5mm x 5.5mm F 2	100-240@50-60	80	Yes	5.7 x 2.3 x 1.3	4'/2	0.9	UL/CUL/TUV/CE	34.25	30.95	27.95
2129617	Lishen🌿	Q219B1280	+12/6.67	4-pin DIN M	100-240@50-60	80	Yes	5.9 x 2.3 x 1.3	6'/2	1.0	UL/CUL/TUV	24.95	22.95	19.95
221429	Mean Well🌿	U6S5105-P2JU	+12/6.7	2.1mm x 5.5mm F 2	100-240@50-60	80	Yes	6.6 x 3.1 x 1.8	6'/6	2.0	UL/CUL/TUV/CE	41.95	38.95	35.95
2129211	Mean Well🌿	GS120A12-R7B	+12/8.5	4-pin DIN M	85-264@47-63	102	Yes	6.6 x 2.6 x 1.4	4'/2	1.4	UL/CUL/TUV/CE	55.95	49.95	44.95
2099294	Mean Well🌿	GS220A12-R7B	+12/15	4-pin DIN M	90-264/127-370@47-63	180	Yes	8.3 x 3.4 x 1.8	3.3'/2	2.4	UL/CUL/TUV/CE	91.95	83.95	74.95
2139006	ENG Electric	3G-301DN13	+13.5/2.2	4-pin Molex	100-240@50-60	30	No	4.6 x 1.9 x 1.2	2'6"/5'	0.8	UL/CUL	7.95	6.95	5.95
1940432	Mean Well🌿	GS18A15-P1JU	+15/1.2	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/6	0.5	UL/CUL/TUV/CE	13.49	12.49	11.25
1940619	Mean Well🌿	GS25A15-P1J	+15/1.66	2.1mm x 5.5mm F 2	100-240@50-60	25	No	3.7 x 2.1 x 1.4	6'/2	0.5	UL/CUL/TUV/CE	14.25	12.95	11.49
243012	Mean Well🌿✓	P30A-4P2JU	+15/1.8	2.1mm x 5.5mm F 2	100-240@50-60	27	Yes	4.2 x 2.6 x 1.4	6'/6	0.8	UL/CUL/TUV/CE	24.95	22.95	19.95
221577	Mean Well🌿	GS40A15-P1J	+15/2.67	2.1mm x 5.5mm F 2	90-264@50-60	40	Yes	4.9 x 2.0 x 1.3	6'/2	0.8	UL/CUL/TUV/CE	18.49	16.95	14.95
2171559	Mean Well🌿	GS40A15-P1JU	+15/2.67	2.1mm x 5.5mm F 2	90-264@47-63	40	Yes	4.9 x 2.0 x 1.2	3.3'/6'	0.6	UL/CUL/TUV/CE	19.95	17.95	15.95
1954295	Mean Well🌿	GS60A15-P1J	+15/4.0	2.1mm x 5.5mm F 2	90-264@47-63	60	Yes	4.9 x 2.0 x 1.2	4'/2	0.7	UL/CUL/TUV/CE	20.49	18.49	—
2078320	Mean Well🌿	GS90A15-P1M	+15/6.0	2.5mm x 5.5mm F 2	100-240@50-60	90	Yes	5.7 x 2.3 x 1.3	3.3'/2	0.8	UL/CUL/TUV/CE	34.25	30.95	27.95
2145107	SYN Electronics	SYS-1097-4018	+18/2.2	2.1mm x 5.5mm F 2	100-240@47-63	40	Yes	4.7 x 2.4 x 1.3	4'/2	0.7	UL/TUV/CE	14.95	13.49	11.95
2126117	ReliaPro🌿	AI-36SG18-V2.1	+18/2.2	2.1mm x 5.5mm F 2	90-264@47-63	40	No	3.4 x 2.0 x 1.3	6'/2	0.5	UL/CUL/TUV/CE	17.95	15.49	14.95
2102764	Mean Well🌿	GS60A18-P1J	+18/3.3	2.1mm x 5.5mm F 2	90-264@47-63	60	Yes	4.9 x 2.0 x 1.2	3.3'/2	0.7	UL/CUL/TUV/CE	20.49	18.49	—
2154951	Mean Well🌿	GS60A18-P1JU	+18/3.33	2.1mm x 5.5mm F 2	90-264@50-60	60	Yes	4.9 x 2.0 x 1.2	6'/6	0.8	UL/CUL/TUV/CE	20.49	18.49	—
1940459	Mean Well🌿	GS18A24-P1J	+24/0.75	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/2	0.5	UL/CUL/TUV/CE	13.49	12.49	11.25
1940635	Mean Well🌿	GS25A24-P1JU	+24/1.04	2.1mm x 5.5mm F 2	100-240@50-60	25	No	3.7 x 2.1 x 1.4	6'/6	0.5	UL/CUL/TUV/CE	15.95	15.49	14.95
380577	Mean Well🌿	ES25A24-P1MU	+24/1.04	2.5mm x 5.5mm F 2	100-240@50-60	25	Yes	3.7 x 2.1 x 1.4	6'/6	0.6	UL/CUL/TUV/CE	19.95	17.95	15.95
2172789	ReliaPro🌿	EA1030D1	+24/1.25	2.1mm x 5.5mm F 2	100-240@50-60	30	Yes	3.8 x 1.7 x 1.2	6'/6	0.4	UL/CUL/TUV/CE	15.49	14.95	14.49
1952353	Mean Well🌿	GS40A24-P1J	+24/1.67	2.1mm x 5.5mm F 2	90-264@47-63	40	Yes	4.9 x 2.0 x 1.2	6'/2	0.7	UL/CUL/TUV/CE	18.49	16.95	14.95
1537256	ReliaPro	OH-10482401700U-J	+24/1.7	2.5mm x 5.5mm F 2	90-264@47-63	40	Yes	4.5 x 2.0 x 1.3	6'/2	0.5	UL/CUL/CE	24.95	22.49	19.95
1940281	ReliaPro🌿	CP2420	+24/2.08	2.1mm x 5.5mm F 2	100-240@50-60	50	Yes	4.7 x 2.1 x 1.3	4'/2	0.6	UL/CUL	24.95	22.49	19.95
1942788	ReliaPro🌿	EA1050B-240	+24/2.5	2.1mm x 5.5mm F 2	100-240@50-60	60	Yes	4.8 x 2.4 x 1.4	6'/2	1.8	UL/CUL/TUV/CE	24.95	22.49	19.95
1952214	Mean Well🌿	GS60A24-P1J	+24/2.5	2.1mm x 5.5mm F 2	90-264@47-63	60	Yes	4.9 x 2.0 x 1.3	6'/2	0.7	UL/CUL/TUV/CE	20.49	18.49	—
1950913	ReliaPro🌿	EA1050B-240	+24/2.5	2.5mm x 5.5mm F 2	100-240@50-60	60	Yes	4.8 x 2.4 x 1.4	6'/2	1.8	UL/CUL/TUV/CE	24.95	22.49	19.95
2172797	ReliaPro🌿	EA11001D-240	+24/3.75	2.5mm x 5.5mm F 2	100-240@50-60	90	Yes	5.4 x 2.3 x 0.4	4'/2	0.9	UL/CUL/TUV/CE	32.95	29.95	26.49
2078338	Mean Well🌿	GS90A24-P1M	+24/3.75	2.5mm x 5.5mm F 2	100-240@50-60	90	No	5.9 x 2.3 x 1.2	4'/2	0.9	UL/CUL/TUV/CE	34.25	30.95	27.95
2135208	Mean Well🌿	GS120A24-P1M	+24/5.00	2.5mm x 5.5mm F 2	85-264@47-63	120	Yes	6.6 x 2.6 x 1.4	4'/2	1.4	UL/CUL/TUV/CE	55.95	49.95	44.95
2099286	Mean Well🌿	GS220A24-R7B	+24/9.2	4-pin DIN M	90-264@47-63	220	Yes	8.3 x 3.4 x 1.8	3.3'/2	2.4	UL/CUL/TUV/CE	91.95	83.95	74.95
1940643	Mean Well🌿	GS25A28-P1JU	+28/0.89	2.1mm x 5.5mm F 2	100-240@50-60	25	No	3.7 x 2.1 x 1.4	6'/6	0.7	UL/CUL/TUV/CE	14.25	12.95	11.49
1940651	Mean Well🌿	GS25A48-P1J	+48/0.52	2.1mm x 5.5mm F 2	100-240@50-60	25	No	3.7 x 2.1 x 1.4	6'/2	0.5	UL/CUL/TUV/CE	14.25	12.95	11.49
229032	Phihong	PSA31U-480	+48/0.63	2.1mm x 5.5mm F 2	90-264@47-63	30	No	4.5 x 2.4 x 1.6	6'/2	0.5	UL/CUL/TUV/CE	17.95	16.95	15.95
172065	Mean Well🌿	SPU50-9U	+48/1.25	2.1mm x 5.5mm F 2	100-240@50-60	60	Yes	5.6 x 2.9 x 1.7	6'/6	1.3	UL/CUL/TUV/CE	22.95	21.49	19.95
1952396	Mean Well🌿	GS60A48-P1JU	+48/1.25	2.1mm x 5.5mm F 2	90-264@47-63	60	Yes	4.9 x 2.0 x 1.2	6'/6	0.7	UL/CUL/TUV/CE	20.49	18.49	—

* See accessory table-top power cord chart on page 97 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord † Right angle

✓ CEC Equivalent available. Add a "C" before part number for CEC version. ✓ CEC

3-Wire Regulated Table-Top Power Supplies continued on next page

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



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AC-to-DC Regulated Switching Table-Top Power Supplies

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN

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AC-to-DC Regulated Switching Table-Top Power Supplies (Continued)

We are happy to change the power plug on any listed table-top power supply to a connector of your choice (see pg 101) for just \$2.50 each. A 100 pc. minimum order applies. Overmolding also available @ \$4.00 ea. A 100 pc. minimum order applies.

See page 104 for International Power Cords



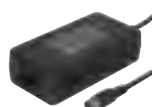
2138880









221702



237367



Part No.	Manufacturer	Manufacturer Part No.	Output	Output Connector	Input	Output	LED	Size	Cords*	Wt.	Agency	Pricing		
			Volts (VDC)/ Current (A)	ID x OD mm Female/Male; Polarity								VAC@Hz	Power (W)	Ind.	(L" x W" x H")	(DC/AC)	(lbs.)	Approvals	1	5	25
3-Wire AC Input – Regulated Switching Table-Top – Double & Triple Output												* Web Code: TDO		
196270	Horizon 	PSU25A13	+5/2.5, +12/1.0	4-pin mini DIN M	100-240@47-63	25	No	4.2 x 2.6 x 1.4	6'4"	1.2	UL/CUL/TUV/CE	\$34.95	\$31.49	\$28.95
2138880	XP Power 	AEH45UM23	+5/5.0, +12/2.0	5-pin DIN M	100-240@47-63	42	Yes	5.7 x 3.0 x 1.7	4'7"	1.3	UL/CUL/TUV/CE	19.95	17.95	15.95
221720	Mean Well 	P25A14E-R1BU	+5/2.5, +15/0.3 -15/0.3	5-pin DIN M	100-240@50-60	25	Yes	4.3 x 2.6 x 1.4	6'6"	0.8	UL/CUL/TUV/CE	29.95	26.95	23.95
190960	Mean Well 	P25A13D-R1B	+5/2.5, +12/0.8 -12/0.3	5-pin DIN M	100-240@50-60	26	Yes	4.1 x 2.6 x 1.4	6'7"	1.1	CUL/TUV/CE	29.95	26.95	23.95
221702	Mean Well 	P50A13D-R1BU	+5/4.0, +12/2.0 -12/0.5	5-pin DIN M	100-240@50-60	50	Yes	5.7 x 3.0 x 1.7	4'6"	1.5	UL/CUL/TUV/CE	44.95	39.95	36.95
237367	Mean Well 	P50A14E-R1B	+5/3.5, +15/1.2 -15/0.3	5-pin DIN M	100-240@47-63	42	Yes	5.8 x 3.0 x 1.7	4'7"	1.2	UL/CUL/TUV/CE	44.95	39.95	36.95

* See accessory table-top power cord chart on page 97 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord

24-Watt Switching Table-Top Power Supply

Interchangeable AC & DC Plugs with Selected DC Outputs

- Input voltage: 100-240VAC @ 50-60Hz
- Output current: 2A
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 2.1mm x 5mm, 2.5mm x 5mm, 1.35mm x 3.5mm & 1.7mm x 4mm
- Interchangeable AC input plugs for USA/UK/Europe/Taiwan/China (included)
- Selectable outputs: 3VDC, 4.5VDC, 6VDC, 7.5VDC, 9VDC, 12VDC



Part No.	Mfr. Part No.	Size (L x W x H)	1	5	25
1537491	PSSMV3	4.7" x 3.3" x 2.5"	\$35.95	\$32.95	\$29.95

5VDC@0.5A Interchangeable Wall Plug Adapter

With USB Socket Type A

- Voltage output: 5VDC @ 0.5A
- Voltage input: 90-264VAC @ 47-63Hz
- Leakage current: 0.20µA max.
- Use interchangeable tips P/N 2081625 (right)
- Efficiency: 55% (typical)
- UL/CSA approved
- Size: 2.97"L x 1.81"W x 1.25"H



Part No.	Mfr. Part No.	1	10	50	100
662805	PSC30R-050	\$10.95	\$9.95	\$8.95	\$7.95

5VDC @ 200mA Wall Adapter

- Works with digital camera, cell phones, PDA, MP3 and other USB devices
- Output volt.: 5VDC @ 200mA
- Size: 2.5"H x 1.5"W x 0.8"D
- TUV/FCC approved
- Input volt.: 100-240VAC @ 50/60Hz
- Cable and tips use P/N 2081625



Part No.	Mfr. Part No.	1	10	50	100
2138636	SW013US-0500020US	\$3.95	\$3.49	\$2.95	\$2.59

90-Watt Universal Desktop Power Supply

Interchangeable output connectors for different devices.

- Input voltage: 100-240VAC @ 50-60Hz
- Output voltage: 5V @ 1A (USB), 5-24V @ 6A max.
- Output power cord has a 6-pin mini DIN female, 5'2" long
- Input power cord length: 4'6"
- Output cord has LCD display to indicate output voltage
- For USB power cable use P/N 2081625

Includes: 3-prong mickey mouse type AC power cord, 8 output connectors (1.7mm x 4.8mm, 3mm x 6.3mm, 2.1mm x 5.5mm, (2) 2.5mm x 5.5mm, 3mm x 5.5mm, (2) 4.3mm x 6mm)

Part No.	Cross Ref. No.	Size (L x W x H)	1	10	50
2145166	LS-PAB90AL	47.9" x 2.3" x 1.1"	\$34.95	\$31.95	\$27.95



30-Watt Switching Table-Top Power Supply

- Output voltage: 5VDC to 12VDC in 1V increments
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 1.35mm x 3.5mm, 1.5mm x 5mm, 1.7mm x 4mm, 2.1mm x 5mm & 2.5mm x 5mm
- Stabilized outputs, low ripple & interference
- High efficiency, low energy consumption
- Input volt.: 100-240VAC @ 50/60Hz
- LED power indicator
- Short-circuit, overload protection

Includes: AC power cord



Part No.	Mfr. Part No.	Output Current	Size (L x W x H)	1	10	25
2158354	PSSE13U	1.5A to 4A	3.5" x 1.8" x 1.2"	\$39.95	\$34.95	\$29.95

USB-A Power Cable w/ Interchangeable Tips

- 4' cable
- 26 AWG
- USB-A male connector
- Tips: 1.3mm x 5.5mm female, 1.5mm x 4.8mm female, 1.7mm x 4.8mm female, 2.1mm x 5.5mm female, 2.5mm x 5.5mm female, 2.9mm x 6.3mm female, 1.3mm x 3.3mm female, and 1.3mm x 4.3mm female
- For use with P/N 662805 wall adapter (left)
- UL/CSA approved



Part No.	Cross Ref. No.	1	10	50	250
2081625	USBAC8	\$5.95	\$4.95	\$4.49	\$3.95

Cigarette Lighter Car Power Adapter

- Switch selectable 1.5V, 3V, 4.5V, 5V, 6V, 9V and 12V
- DC power plugs: 2.5mm x 5mm, 2.1mm x 5mm, 1.5mm x 5mm, 1.7mm x 4mm, 1.3mm x 3.5mm and 0.7mm x 2.35mm
- Powers portable electronic devices such as MP3 players, cell phones, etc.
- Reversible plug for center positive or negative polarity
- Switching power supply provides 1000mA from cigarette lighter plug
- Cord length: 5'



Part No.	Mfr. Part No.	1	10	50	250
155230	JCD22A	\$7.95	\$6.95	\$5.95	\$4.95

Auto/Air Cigarette DC/DC Power Adapter

- Input voltage: 11VDC to 16VDC @ 10A max.
- Input connector: cigarette plug, fused (15A @ 250V)
- Output connector: interchangeable tips 2.1mm F, 2.5mm F, 3.5mm M
- Input/output cord length: 42"/48"
- Color: black with LED power indicator



Part No.	Cross Ref. No.	Size (L x W x H)	1	10	50	250
2099770	AA-5001G	4.7" x 2.0" x 1.0"	\$4.95	\$4.49	\$3.95	\$3.49

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Power Jacks, Plugs, Adapters & Cables



Switchcraft® Male & Female Power Jacks

★ Web Code: BAM

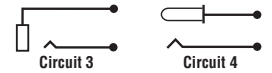
Part No.	Mfr.	Product No.	Description Pin Dia. x OD	Dimensions H x W x D (mm)	Type/ Mount	Circuit/ Terminal	1	10	100
101194	ValuePro	PP024A	1.3 x 3.5mm male	6.0 x 6.0 x 9.0	1/D	1/B	\$.59	\$.55	\$.45
101178	ValuePro	PP014	2.1 x 5.5mm male	10.9 x 9.0 x 14.5	2/D	1/A	.39	.35	.29
101179	ValuePro	PP014A	2.1 x 5.5mm male	10.9 x 9.0 x 14.5	2/D	1/A	.45	.39	.35
137673	ValuePro	PP013A	2.1 x 5.5mm male	10.9 x 9.0 x 14.5	3/D	4/A	.45	.39	.35
151590	ValuePro	DPJ-021A	2.1 x 5.5mm male	18.0 x 12.6 Dia.	4/C†	1/A	.89	.79	.69
151555	ValuePro	DPJ-026A	2.1 x 5.5mm male	21.0 x 8.0 Dia.	5/E	1/A	1.49	1.35	1.19
159611	ValuePro	PJ1014A	2.1 x 5.5mm male	57.5 x 12.6 Dia.	6/F	3/A	1.75	1.59	1.39
281851	Switchcraft	722A	2.1 x 5.5mm male	15.1 x 7.5 Dia.	7/C	1/A	2.75	2.49	2.25
2151136	ValuePro	HD2388C	2.1 x 5.5mm male	12.4 x 7.7 Dia.	8/C*	3/A	1.19	.99	.89
2144690	ValuePro	L5225	2.1 x 5.5mm male	11.0 x 9.1 x 14.7	13/D	1/A	.35	.29	.19
207714	ValuePro	HEC0470	2.5 x 5.5mm male	11.0 x 9.0 x 14.5	2/D	1/B	.55	.49	.39
101187	ValuePro	PP014A	2.5 x 5.5mm male	11.0 x 9.0 x 14.5	2/D	1/A	.55	.49	.45
151563	ValuePro	DPJ-026A	2.5 x 5.5mm male	15.1 x 8.0 Dia.	5/E	1/A	1.49	1.35	1.19
159506	ValuePro	PJ1015A	2.5 x 5.5mm male	57.5 x 12.6 Dia.	6/F	3/A	1.49	1.35	1.19
202358	ValuePro	HD2388	2.5 x 5.5mm male	12.4 x 7.7 Dia.	8/C*	3/A	1.19	.99	.89
281842	Switchcraft	712A	2.5 x 5.5mm male	15.8 x 7.5 Dia.	7/C	1/A	4.95	4.49	3.95
297553	Switchcraft	PC712A	2.5 x 5.5mm male	23.3 x 11.0 Dia.	9/D	1/A	4.95	4.49	3.95
2144745	ValuePro	J25M	2.5 x 5.5mm male	11.1 x 8.9 x 13.4	14/C	1/A	.35	.29	.19
101143	ValuePro	PJ0352	3.5 mm female	10.0 x 10.0 x 18.5	10/E	2/A	.49	.45	.39
109496	ValuePro	PJ035PM	3.5 mm female	10.5 x 9.0 x 20.0	11/C	2/A	.49	.45	.39
165730	ValuePro	PJ0354R	3.5 mm female	15.5 x 5.9 Dia.	12/C	3/A	.79	.69	.59

† Center offset * Plastic

Terminals	Code
Solder eyelet	A
PC board	B



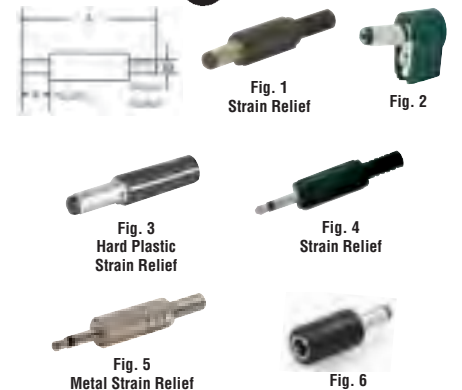
Mounting	Code
Panel	C
PCB	D
Panel & PCB	E
Cable	F



Switchcraft® DC Power Plugs & Adapters

★ Web Code: MFP

Part No.	Mfr.	Product No.	Fig.	Description (Barrel) Plug ID x OD x L (mm)	Strain Relief ID x L (mm)	1	10	100
71192	ValuePro	PP137	1	F plug, 1.3 x 3.5 x 9.5	4.1 x 12 (black)	\$.79	\$.69	\$.65
1537395	ValuePro	PL-005	2	F plug, 1.3 x 3.5 x 9.5 (right angle)	2.8 x 11 (black)	.89	.79	.69
191484	ValuePro	PP049W	1	F plug, 2.1 x 5.5 x 9.0	4.6 x 12.5 (white)	.89	.79	.69
2004890	ValuePro	PP049S	1	F plug, 2.1 x 5.5 x 9.5	4.5 x 12.5 (black)	.89	.79	.69
297617	Switchcraft	S760	3	F plug, 2.1 x 5.5 x 9.5	5.5 x 25 (black)	3.95	3.49	2.95
28760	ValuePro	PP049A	1	F plug, 2.1 x 5.5 x 9.5 (P205)	4.1 x 12 (black)	.89	.79	.69
2145123	ValuePro	CS1021-A-12MM	1	F plug, 2.1 x 5.5 x 12	4.3 x 12 (black)	.89	.79	.69
138587	ValuePro	PJ021	2	F plug, 2.1 x 5.5 x 12 (right angle)	2.8 x 11 (black)	.89	.79	.65
147329	ValuePro	PP049L	1	F plug, 2.1 x 5.5 x 14 (P205L)	4.3 x 12 (black)	.89	.79	.65
190538	ValuePro	PP109S	1	F plug, 2.5 x 5.5 x 9.5	4.7 x 13 (black)	.89	.79	.65
281877	Switchcraft	760	3	F plug, 2.5 x 5.5 x 9.5	5.5 x 25 (black)	3.95	3.59	3.25
28768	ValuePro	PP109A	1	F plug, 2.5 x 5.5 x 9.5 (P206)	4.7 x 13 (black)	.89	.79	.65
2145115	ValuePro	CS1021-B-12MM	1	F plug, 2.5 x 5.5 x 12	4.3 x 12 (black)	.89	.79	.69
147336	ValuePro	PP109L	1	F plug, 2.5 x 5.5 x 14 (P206L)	4.2 x 12 (black)	.89	.79	.69
168242	ValuePro	PP109N	3	F plug, 2.5 x 5.5 x 14	3.9 x 22 (black)	.89	.79	.69
2099163	ValuePro	PL-008	2	F plug, 2.5 x 5.5 x 9.5 (right angle)	2.8 x 11 (black)	.95	.85	.75
101135	ValuePro	PJ1025	4	M plug, — x 2.5 x 11 (P201)	4.3 x 13 (black)	.69	.59	.49
231176	ValuePro	AP-340	4	M plug, — x 3.5 x 14 (stereo)	4.3 x 13.5 (black)	.79	.69	.55
231167	ValuePro	AP-343	5	M plug, — x 3.5 x 14 (stereo)	4.4 x 13 (metal)	1.49	1.25	.99
231160	ValuePro	PJ1035	5	M plug, — x 3.5 x 14 (mono)	4.8 x 13.5 (metal)	1.49	1.25	.99
101152	ValuePro	PJ1035	4	M plug, — x 3.5 x 14.5 (P202)	4.0 x 13 (black)	.69	.59	.49
2113703	ValuePro	JR1826B	6	Adapter, 2.1mm M to 1.7mm F (1.7"L)	—	1.49	1.35	.99
2112989	ValuePro	JP1828C	6	Adapter, 2.1mm M to 1.3mm F (1.3"L)	—	1.59	1.45	1.09
1953591	ValuePro	DCJ2.1-DCP2.5	6	Adapter, 2.1mm M to 2.5mm F (1.4"L)	—	1.59	1.45	1.09
2113009	ValuePro	JP1829	6	Adapter, 2.5mm M to 1.3mm F (1.3"L)	—	1.29	1.19	.99
2113711	ValuePro	Jr1827	6	Adapter, 2.5mm M to 1.7mm F (1.7"L)	—	1.19	1.09	.95
1953604	ValuePro	DCJ2.5-DCP2.1	6	Adapter, 2.5mm M to 2.1mm F (1.4"L)	—	1.49	1.35	1.09



Power



Automobile Fused Power Plugs with Cords

- Accepts .25" x 1.25" fuse
- 115002: Screw assembly with strain relief (no cord)
- 124760: 3' cord w/ pigtail

Part No.	Mfr.	Fuse	1	10	100
115002	ValuePro	5A/250VAC	\$2.25	\$1.99	\$1.79
124760	ValuePro	3A/250VAC	2.49	2.25	1.99



DC Extension Power Cables

Part No.	Mfr.	Cross Ref. No.	Description (Barrel) ID x OD x L (mm)	AWG	Color	1	10	100
2099147	ValuePro	DCEXTCORD2.1-3FT	2.1F x 2.1M x 3' cable	18	Black	\$1.95	\$1.75	\$1.59
2099121	ValuePro	DCEXTCORD2.1-6FT	2.1F x 2.1M x 6' cable	18	Black	2.49	2.25	1.95
2099155	ValuePro	DCEXTCORD2.5-3FT	2.5F x 2.5M x 3' cable	18	Black	1.95	1.75	1.59
2099139	ValuePro	DCEXTCORD2.5-6FT	2.5F x 2.5M x 6' cable	18	Black	2.49	2.25	1.95



In-Car USB Charger/Adapter

- Input voltage: 12VDC to 24VDC
- Output voltage: 5VDC @ 600mA
- Output connector: USB type A
- LED indicator for power
- Overall length: 2"



Part No.	Cross Ref. No.	1	10	100
2158320	CC001-BLK	\$3.95	\$3.59	2.95

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

JAMECO ValuePro DC Cords with Pigtail – 6' length

- 24 AWG
- Color: black

Part No.	Cross Ref. No.	Fig.	Description (Barrel)	*Web Code: MFP		
				1	10	100
2113674	DCCORD1.3	1	Plug, 1.3 x 5.5 x 12	\$1.15	\$.99	\$.89
2114706	6FT#245.5X1.7	1	Plug, 1.7 x 5.5 x 12	1.15	.99	.89
2114693	DCCORD1.7	2	Jack, 1.7 x 5.5 x 12	1.15	.99	.89
2096763	DCCORD2.1	1	Plug, 2.1 x 5.5 x 12	1.59	1.39	1.15
2114600	6FT#245.5X2.1	2	Jack, 2.1 x 5.5 x 12	1.59	1.39	1.15
2096771	DCCORD2.5	1	Plug, 2.5 x 5.5 x 12	1.59	1.39	1.15
2114597	6FT#245.5X2.5	2	Jack, 2.5 x 5.5 x 12	1.59	1.39	1.15



Fig. 1



Fig. 2

We specialize in Wall Adapters. Call for additional OEM pricing.

We are happy to change any listed DC wall adapter power plug to a connector of your choice (pg 101) for just \$2.50 each or \$4.00 each molded A 100 pc. minimum order applies.

More Wall Adapters on pages 93-97

JAMECO ValuePro International Step-Up & Step-Down Transformers

*Web Code: RAL

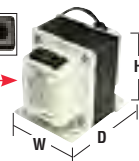
Part No.	Cross Ref. No.	Fig.	Type	Volt Step	Primary Voltage	Secondary Voltage	Watts (VA)	Dimensions			Wt. (lbs.)	Pricing		
								H"	W"	D"		1	5	25
221331	GIS-500	A	Isolation	—	115VAC	115VAC	500	4.69	3.75	6.00	16.0	\$89.95	\$79.95	\$69.95
85008	GPC-1003R	A	Auto	Up	110VAC	220VAC	300	3.50	3.05	3.95	4.8	49.95	44.95	39.95
221217	P8689	A	Auto	Up	115VAC	230VAC	1000	4.63	3.75	6.13	17.0	89.95	79.95	69.95
85016	GPC-1003	B	Auto	Down	220VAC	110VAC	300	3.50	3.05	3.95	4.8	49.95	44.95	39.95
111851	GPC-1005	B	Auto	Down	220VAC	110VAC	500	3.99	3.60	4.84	8.5	69.95	62.95	56.95



Fig. A Plug

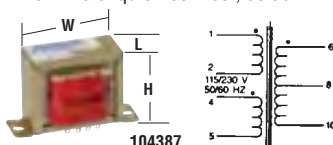


Fig. B Plug



Output Receptacle

- Input voltage: 115/230VAC, 50-60Hz
- Terminals: quick-connect, solder



104387

JAMECO ValuePro Quick-Connect Power Transformers

*Web Code: BAN

Part No.	Product No.	Triad Cross*	Input Voltage	Output Voltage	Watts (VA)	Size of Connect	Dimensions			Wt. (lbs.)	Pricing		
							L"	W"	H"		1	5	25
104387	XFR1225Q	FD612	115/230VAC	12.6VCT @ 2.5A	31.5	0.187"	1.75	2.33	2.00	1.3	\$12.95	\$11.95	\$10.95
104409	XFR1635Q	FD716†	115/230VAC	16VCT @ 3.5A	56.0	0.141"	2.25	2.68	2.33	1.8	13.95	12.49	11.95
101864	XFR2424Q	FD724	115/230VAC	24VCT @ 2.4A	57.6	0.141"	2.10	2.70	2.29	1.7	11.95	10.49	8.95
104417	XFR3615Q	FD736	115/230VAC	36VCT @ 1.5A	54.0	0.141"	2.30	2.70	2.30	1.8	17.95	16.95	15.95

† Terminal solder lugs are on same side *Triad cross is for reference only

JAMECO ValuePro Power Transformers (7.6 Watts to 288 Watts)

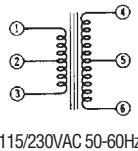
*Web Code: PTL

Power transformers have both single and dual-voltage input and center-tapped outputs. This makes them the perfect choice for power supply design or for use in transformer, rectifier and filter circuits.

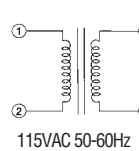
- Primary: 115VAC or 115/230VAC, 50-60Hz



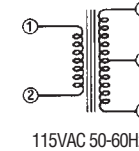
29226



115/230VAC 50-60Hz Fig. 1



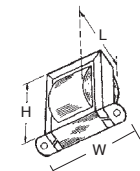
115VAC 50-60Hz Fig. 2



115VAC 50-60Hz Fig. 3



115/230VAC 50-60Hz Fig. 4



		Triad Cross [#]				Watts	Secondary				Lead		Dimensions			Wt.	Pricing		
Part No.	Product No.		Primary Color Code			(VA)	Voltage		Color Code		Type	Fig.	L"	W"	H"	(lbs.)	1	10	100
102163	XFR6102 ^R	F314X	Black	Yellow [*]	Red	7.6	6.3VCT @ 1.2A	White	Black [*]	White	Wire	1	1.84	2.40	1.67	0.8	\$10.95	\$9.95	\$8.95
105524	XR082-91-R ^R	—	Black	White [*]	Red	9.0	4.5VCT @ 1A	Blue	Black [*]	Blue	Wire	1	1.82	2.43	1.67	0.7	10.95	9.95	8.95
221400	P-8657 ^R	F218X	Black	—	Black	24.0	12VAC @ 2A	White	—	White	Wire	2	1.89	2.75	1.99	1.3	10.95	9.95	8.95
221356	P-8658	F219X	Black	—	Black	48.0	12VAC @ 4A	White	—	White	Wire	2	2.25	4.00	2.63	2.3	12.95	11.95	10.95
29226	XFR122 ^R	F44X	Yellow	—	Yellow	25.2	12.6VCT @ 2A	Blue	Red [*]	Black	Wire	3	2.41	2.79	1.99	1.5	13.95	12.49	10.95
102155	XFR1220 ^R	F344X	Black	Yellow [*]	Red	25.2	12.6VCT @ 2A	White	Black [*]	White	Wire	1	2.35	2.32	1.97	1.5	13.95	12.49	10.95
149771	XFR1240 ^R	F3181U	Black	Red [*]	Yellow	50.4	12.6VCT @ 4A	White	Black [*]	White	Wire	1	2.45	3.20	2.25	2.2	14.95	13.49	10.95
102121	XFR124 ^R	F181U	Black	—	Black	50.4	12.6VCT @ 4A	White	Black [*]	White	Wire	3	2.45	3.21	2.26	2.7	14.95	13.49	10.95
105532	XFR1810 ^R	—	Blue	Red [*]	Black	18.0	18VCT @ 1A	Yellow	Black [*]	Yellow	Wire	1	2.20	2.81	1.99	1.2	10.95	9.95	8.95
149957	XFR1820 ^R	—	Black	Red [*]	Yellow	36.0	18VCT @ 2A	White	Black [*]	White	Wire	1	2.25	3.15	2.71	1.8	12.95	11.95	10.95
112513	XFR242N ^R	F229X	Black	—	Black	48.0	24VAC @ 2A	White	—	White	Wire	2	2.33	3.16	2.28	1.8	13.95	12.49	10.95
2162652	90-T50F3 ^S	—	White	Black	Orange	50.0	24VAC @ 2.08A	Blue	—	Yellow	Wire	4	2.44	3.23	2.68	2.3	14.95	13.49	11.95
221382	P8396	—	Black	—	Black	9.6	24VCT @ 0.4A	White	Black [*]	White	Wire	3	1.63	2.80	1.97	0.6	9.95	8.95	7.95
102112	XFR2410 ^R	F346X	Black	Yellow [*]	Red	24.0	24VCT @ 1A	White	Black [*]	White	Wire	1	2.41	2.80	1.99	1.5	10.95	9.95	7.95
221373	P-8662 ^R	F192X	Black	—	Black	48.0	24VCT @ 2A	White	Black [*]	White	Wire	3	2.44	3.60	2.23	2.3	13.95	12.49	10.95
221365	P-8663 ^R	F193U	—	—	—	96.0	24VCT @ 4A	—	—	—	Lug	3	2.81	2.94	4.00	4.0	25.95	23.95	21.49
99654	XFR242 ^R	—	Red	—	Red	49.2	24.6VCT @ 2A	Blue	Yellow [*]	Blue	Wire	3	2.44	3.22	2.30	2.5	12.95	11.49	9.95
102104	XFR2520 ^R	F341X	Black	White [*]	Red	50.4	25.2VCT @ 2A	Orange	Black [*]	Orange	Wire	1	2.45	3.22	2.26	2.8	12.95	11.49	9.95
149797	XFR2820 ^R	F3185U	Black	Red [*]	Yellow	56.0	28VCT @ 2A	White	Black [*]	White	Wire	1	2.45	3.22	2.26	2.3	13.95	12.49	9.95

* Center tap # Triad cross is for reference only § 3 input voltages † Solder terminal

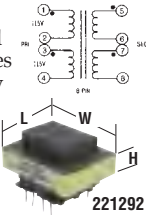
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Power Transformers & High Voltage Power Supply

JAMECO ValuePro

Non-concentrically wound w/ primaries & secondaries side-by-side providing low capacitive coupling.

- Primary: 115/230VAC, 50-60Hz
- PC terminal pin spacing for accurate placement



Split-Bobbin Power Transformers (2.5 to 12VA)

★ Web Code: **LBK**

Part No.	Cross Ref. No.	Triad Cross*	Input Voltage	Watts (VA)	Individual Output	Parallel Output	Series Output	Dimensions			Wt. (lbs.)	Pricing		
								L"	W"	H"		1	10	100
221292	DSW-312	FS12200	115/230	2.5	6.3V @ .20A	6.3V @ .40A	12.6VCT @ .20A	1.38	1.13	1.19	0.3	\$6.95	\$6.25	\$5.59
102593	XFR2405SB	FS24500	115/230	12	12V @ .50A	12V @ 1.0A	24VCT @ .50A	1.58	1.90	1.46	0.7	8.95	7.95	6.49

* Triad cross is for reference only

JAMECO ValuePro

PC Mount Modem Coupling Transformer

- Core type: EI-14
- Insulation resistance: 100MΩ
- ±20% impedance matching and DC resistance matching
- Hipot tested: 1000VAC • Vacuum wax impregnated



Part No.	Cross Ref. No.	Impedance (Ω)		Resistance (Ω)		Pricing		
		Primary	Secondary	Primary	Secondary	1	10	100
125357	XFR6006A14	600CT	600CT	65	55	\$3.49	\$2.95	\$2.75

PC Mount Audio Transformer

- Impedance matching: 10% over frequency range
- 6-pin PC mount • Output: 100mW
- Impedance (Ω): 600CT/600CT
- Primary DC Unbalance: 15mA



Part No.	Mfr. Part No.	Dimensions (W x D x H)	1	10	100
630459	TY-145P	13/16" x 9/32" x 5/8"	\$4.49	\$3.95	\$3.49

★ Audio Transformers — Enter Web Code **SAJ**

Low Frequency Current Sensing Transformer

May be used to monitor current 0.1-30A @ frequencies 50-400Hz.

- Turns ratio: 1:500 • Typical output: 110mV/amp
- Hi-pot: 500V • Burden resistor: 60Ω



Part No.	Mfr. Part No.	Sen DCR	Primary DCR	1	10	100
627591	CSE187L	21Ω max.	250μΩ max.	\$4.49	\$3.95	\$3.59

Current Sensing Transformer

- Frequency range: 20-200kHz
- Minimum inductance: 3.5mH
- Primary is inserted thru hole in casing
- Arrow side of primary conductor has same polarity as pin #1



Part No.	Mfr. Part No.	DCR	Primary Arms	1	10	100
627621	CST306-1A	0.34Ω max.	35	\$3.95	\$3.49	\$2.95

500 to 2000VA Variable Transformers

- Input: 110VAC or 220VAC
- Power: 500, 1000 or 2000VA
- Output: 0-240VAC
- Banana/screw input terminals
- Universal US/European output plugs
- Lighted on/off power switch



Part No.	Fuse	Size (W" x D" x H")	Wt. (lbs.)
121276	3A/250V (P/N 69439)	5.3 x 7.3 x 7.0	10.4
129008	5A/250V	9.4 x 6.5 x 7.7	14.8
152582	10A/250V (P/N 69462)	9.0 x 7.0 x 7.7	19.8

Part No.	Description	1	5	25
121276	500VA trans.	\$139.95	\$129.95	\$119.95
129008	1000VA trans.	169.95	154.95	129.95
152582	2000VA trans.	249.95	224.95	199.95

320VA Variable AC Transformer

- Input voltage: 110VAC @ 50-60Hz
- Matching input/output terminals: P/N 103668 & 109112 (disconnect .25" solderless terminals), pg 66
- Maximum current: 2.5A
- Shaft length: 0.5"
- Size: 2.8"Dia. x 2.1"H • Panel mount
- Weight: 2.5 lbs. • One-year warranty



Part No.	Cross Ref. No.	1	5	25
149324	PSV-203-R	\$59.95	\$53.95	\$47.95

★ Variable Transformers — Enter Web Code **MAR**

300VA Isolation Transformer 120VAC to 120VAC

- Input connector: 5.5' cord with 2-prong plug
- Output voltage: 120VAC @ 2.5A (isolated)
- Input voltage: 120VAC @ 60Hz
- Size: 3.2"W x 4.6"D x 4.2"H • Weight: 7.0 lbs.



Part No.	Cross Ref. No.	1	5	25
181315	ITR300	\$44.95	\$39.95	\$34.95

International Step-Up/Step-Down Autotransformer

- Input volt.: 110/200/220/240V
- Output voltage: 110/220V
- Power: 80 watts continuous/100 watts intermittent
- On/off switch • Fuse protected
- Two free spare fuses • CE certification
- European to US adapter on power cable
- Universal European/US output receptacles
- Dimension: 5.2"L x 3.7"W x 3.5"H



Part No.	Mfr. Part No.	1	5	25
2082599	VC-100	\$13.95	\$12.95	\$11.95

6kV-7.4kV High Voltage Power Supply

- Input voltage range: 113VAC to 132VAC
- Input lead wires: 22 AWG UL1015, 7.5"L; AC hot (black), AC COM (white), HV RTN (green) • Output voltage: 6.0kV to 7.4kV A@ 120VAC
- Output lead wires: 22 AWG UL3239, 10" (pink)
- UL94V-0 rated encapsulant filled epoxy • Size: 3.0"L x 1.2"W x 1.0"H

Part No.	Mfr. Part No.	Description	1	10	50	100
2100136	CS2080A3	High voltage power supply	\$5.95	\$4.95	\$3.95	\$2.95



★ For additional products, availability, and additional specifications visit [Jameco.com](http://www.Jameco.com) and enter the web code in the product search box

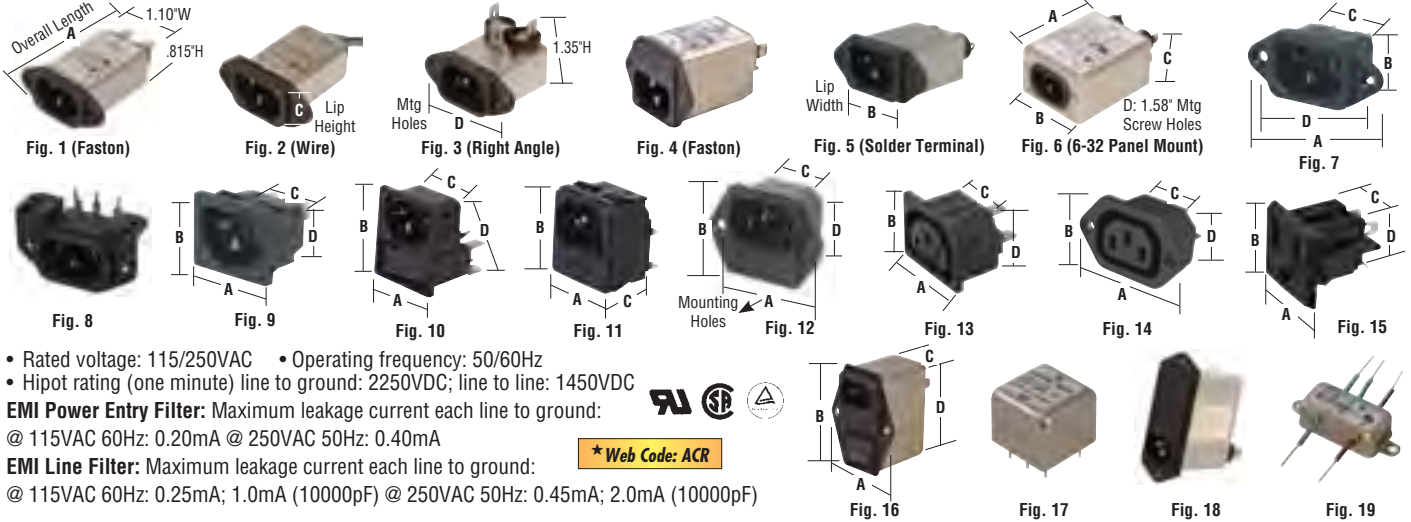
3 LEVELS OF SAVINGS
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Power Entry Filters & International Power Cords

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACORY OVERRUN

EMI Power Entry Filters (IEC Connector), Line Filters & AC Receptacles (IEC 320)



- Rated voltage: 115/250VAC • Operating frequency: 50/60Hz
 - Hipot rating (one minute) line to ground: 2250VDC; line to line: 1450VDC
- EMI Power Entry Filter:** Maximum leakage current each line to ground:
 @ 115VAC 60Hz: 0.20mA @ 250VAC 50Hz: 0.40mA
- EMI Line Filter:** Maximum leakage current each line to ground:
 @ 115VAC 60Hz: 0.25mA; 1.0mA (10000pF) @ 250VAC 50Hz: 0.45mA; 2.0mA (10000pF)

* Web Code: ACR

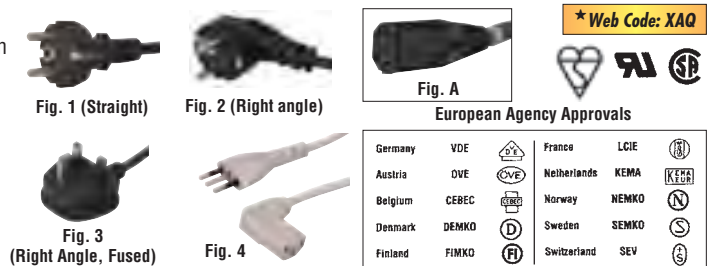
Part No.	Mfr.	Product No.	Description	Fig.	Current (A)	Hipot (VDC)	Terminals	Terminal Size	Agency Approvals	Dimension (in.)				Pricing		
										A	B	C	D	1	10	100
1951511	Delta†	01GEEG3E (1ED1)	Power entry filter, straight (screw flanged)	1	1	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.87	1.58	\$2.49	\$2.25	\$1.95
210913	Delta†	01GEEW3E (1ED8)	Power entry filter, straight (screw flanged)	2	1	2250	4" Wires	Wire	UL/CSA/VDE	1.89	1.19	0.86	1.58	1.49	1.25	.99
1951529	Delta	01DEEG3V	Power entry filter, rt. angle (screw flanged)	3	1	2250	Faston	0.25"	UL/CSA/VDE	1.64	1.19	0.87	1.58	.89	.79	.69
1172613	Tyco	1EGG1-2R	Pwr entry filter, straight, fused (screw flanged)	4	1	2250	Faston	0.25"	UL/CSA/VDE	1.62	1.29	1.44	1.27	.89	.79	.69
1172672	Corcom	IVB3R	Line filter (flange mount)	19	10	2250	1.5" Wire	Wire	UL/CSA/VDE	0.96	1.82	0.66	2.53	9.95	8.95	7.95
2133683	Schaffner	FN291E-2.5-05	Power entry filter, straight (screw flanged)	18	2.5	1700	Faston	0.25"	—	1.26	2.80	1.10	2.35	2.95	2.59	2.25
667438	ValuePro	YB03A1 (3EF1F)	Power entry filter, straight (screw flanged)	1	3	2250	Faston	0.25"	UL/CSA/VDE	2.23	1.19	0.89	1.58	3.95	3.59	3.19
150616	ValuePro	03AC1R	Power entry filter, straight (screw flanged)	5	3	2250	Solder	0.16"	UL/CSA/VDE	2.05	1.19	0.89	1.58	3.95	3.59	3.25
1951537	Delta†	03GEEW3E-R (3ED8)	Power entry filter, wire (screw flanged)	2	3	2250	4" Wire	Wire	UL/CSA/VDE	1.90	1.19	0.87	1.58	1.49	1.35	1.19
2114116	Adam Tech	PLF-3PCR	Line filter, metal case (PC mount)	17	3	250	Solder	0.039"	UL/CSA/VDE	0.984	0.984	0.787	—	5.95	5.39	4.79
1954720	Delta	04BEEG3S	Power entry filter, straight, fused (screw flanged)	1	4	2250	Faston	0.25"	UL/CSA/VDE	2.26	1.19	1.26	1.40	1.29	1.09	.79
1951570	Delta†	05DRDG3S (5ER7)	Power entry filter, 6-32 threaded panel mount	6	5	2250	Faston	0.25"	UL/CSA/VDE	3.15	1.97	1.28	1.58	1.95	1.79	1.59
2114124	Adam Tech	PLF-6DZ2KR	Pwr entry filter, strght, fuse & sw. (scrw flngd)	16	6	250	Faston	0.25"	UL/CSA/VDE	1.968	2.559	2.394	1.154	9.95	8.95	7.95
1951588	Delta	06DEEG3V	Power entry filter, right angle (screw flanged)	3	6	2250	Faston	0.25"	UL/CSA/VDE	1.64	1.19	0.87	1.58	1.95	1.79	1.49
1951596	Delta	10GEEG3C†	Power entry filter, straight (screw flanged)	1	10	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.87	1.58	2.95	2.59	2.25
1951609	Delta	10ME3(S)	Power entry filter, right angle (PC mount)	3	10	2250	Solder	0.16"	UL/CSA/VDE	1.64	1.19	0.87	1.58	1.95	1.79	1.49
1951617	Delta	15DEEG3HA(D)	Power entry filter, straight (screw flanged)	1	15	2250	Faston	0.25"	UL/CSA/VDE	2.42	1.19	0.87	1.58	3.95	3.59	3.19
2114095	Adam Tech	NEMA-5-2R*	AC power outlet, NEMA receptacles (snap-in)	15	15	125	Fork	0.25"	UL/CSA/VDE	1.063	1.063	0.70	0.866	.99	.85	.69
147901	ValuePro	701R	AC power inlet, male (screw flanged)	7	15	250	Faston	0.187"	UL/CSA/VDE	1.97	0.76	1.06	1.58	1.09	.99	.79
16652	ValuePro	JR101R	AC power inlet, male (screw flanged)	7	15	250	Faston	0.25"	UL/CSA/VDE	1.97	0.76	1.06	1.58	1.09	.99	.79
2133712	ValuePro	VSP1.8101.1	AC pwr inlet, M R/A (screw flanged, PC mount)	8	15	250	Solder	0.05"	UL/CSA/VDE	1.96	1.09	1.09	0.78	.49	.45	.39
2114010	Adam Tech	IEC-A-4R	AC pwr inlet, M R/A (screw flanged, PC mount)	8	15	250	Solder	0.071"	UL/CSA/VDE	1.97	0.89	1.06	0.76	.39	.29	.19
147109	ValuePro	42R02	AC power inlet, male (snap-in)	9	15	250	Faston	0.25"	UL/CSA/VDE	1.23	0.95	1.04	0.77	1.09	.99	.79
2095525	ValuePro	IEC-GS-1-100#	AC pwr inlet, male w/ sw. & fuse folder (snap-in)	10	15	250	Faston	0.187"	UL/CSA/VDE	1.20	1.97	0.77	1.83	2.49	2.25	1.95
117445	ValuePro	0717R#	AC power inlet, male w/ fuse chamber (snap-in)	11	10	250	Faston	0.187"	UL/CSA/VDE	1.18	1.30	1.05	1.20	1.95	1.79	1.59
265528	ValuePro	WS-044R#	AC power inlet, male w/ fuse chamber (screw)	12	10	250	Faston	0.187"	UL/CSA/VDE	1.40	1.28	1.06	1.21	1.75	1.49	1.25
1954640	ValuePro	K2415	AC power inlet, female (snap-in)	13	15	250	Faston	0.187"	UL/CSA/VDE	1.38	0.98	1.26	1.10	.59	.49	.45
1954658	ValuePro	K2414	AC power inlet, female (screw flanged)	14	15	250	Faston	0.187"	UL/CSA/VDE	1.97	1.14	1.26	0.95	1.75	1.49	1.25

† High Performance; Increased filtering; Added bleed resistor; More safety agencies * For 14-16 AWG wire # Includes spare fuse holder – fuse type 5mm x 20mm (250V)

International Power Cords

- 3-conductor detachable power cords
- Excellent resistance to jacket abrasion
- Cord color: black; except P/N 172195: grey
- BSI: British Standard Institution
- Cord type: H05VVf
- Voltage rating: 300V

Part No.	Cross Ref. No.	Country	Agency Approvals	Plug Fig.	Cord Length	Conductors	Pricing		
							1	10	100
117911	2171H576R	Europe	All	1/A	6 ft.	3/0.75mm	\$4.95	\$4.49	\$3.95
2081916	P06B-GR	Europe	All	2/A	6 ft.	3/0.75mm	4.95	4.49	3.95
174633	21071H5182R	UK/Ireland	BSI	3/A	8 ft.	3/1.0mm	6.95	6.25	5.59
172195	8120-6979R	Italy	All	4	6 ft.	3/1.0mm	1.59	1.35	1.19



European Agency Approvals

Germany	VDE	CEC	France	LCIE	BSI
Austria	DVE	CNE	Netherlands	KEMA	CEC
Belgium	CEREC	CEC	Norway	NEMKO	CEC
Denmark	DEMKO	D	Sweden	SEMKO	S
Finland	FIMKO	F	Switzerland	SEV	S

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



Plug Detail – Industry Standard Designsations



JAMECO ValuePro

2 & 3-Conductor Fan, Pigtail, Detachable & Hospital Grade Power Cords

- Molded connectors
- Excellent resistance to jacket abrasion
- Voltage rating: 300 volts
- Temperature: -20°C to +60°C



★ Web Code: UBF

AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875

2-Conductor Line Cords with Pigtail

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	250
2120188	444010-4	JVP	.15	1A	4'	Black	18/2	SPT-2	\$1.95	\$1.75	\$1.49	\$1.25
152187	17106BG	JVP	.20	1	6'	Beige	18/2	SPT-2	1.95	1.75	1.49	1.25
124434	ST008	JVP	.16	1	6'	Black	18/2	SPT-2	2.49	2.25	1.95	1.75
42042	SY-001-R	JVP	.18	1A	6'	Black	18/2	SPT-2	2.95	2.75	2.49	2.25

2-Conductor "8" Style Power Cords for Laptops and Power Supplies

2151195	123855-1	JVP	.15	2A	3'	Black	18/2	SPT-2	\$1.49	\$1.35	\$1.19	\$1.09
355944	VW-1G	JVP	.30	2A	6'	Gray	18/2	SPT-2	1.95	1.75	1.49	1.25
189587	VW-1R	JVP	.30	2A	6'	Black	18/2	SPT-2	2.95	2.69	2.39	2.19

2-Conductor "D" Style Power Cord for Laptops and Power Supplies

200791	LL114039	JVP	.30	2B	6'	Black	18/2	SPT-2	\$1.95	\$1.75	\$1.49	\$1.25
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2-Conductor AC Plug Fan Power Cords

1952572	FACS	JVP	.40	3A	6'	Black	18/2	SPT-2	\$2.95	\$2.65	\$2.39	\$2.09
1952581	FAC45	JVP	.40	3B	6'	Black	18/2	SPT-2	2.95	2.65	2.39	2.09

3-Conductor Power Cords with Pigtail (Unshielded) 290 Plug

38009	17237	JVP	.31	4	6'	Gray	18/3	SVT	\$3.79	\$3.39	\$2.95	\$2.79
2158258	17236SR	JVP	.35	4	6'	Black	18/3	SVT	3.49	3.09	2.75	2.49
37997	17236	JVP	.30	4	6'	Black	18/3	SVT	3.79	3.39	2.95	2.79
173810	17405	JVP	.14	4	6'	Gray	18/3	SJT	3.95	3.55	3.19	2.89
159410	17405B	JVP	.37	4	6'	Black	18/3	SJT	3.95	3.55	3.19	2.89
38025	17238	JVP	.42	4	8'	Black	18/3	SVT	4.49	3.95	3.55	2.95
102007	17535B	JVP	.49	4	10'	Black	18/3	SVT	4.95	4.49	3.95	3.49
196286	LL40378	JVP	.80	4	10'	Black	16/3	SJT	7.95	6.95	5.95	4.95
166925	17516	JVP	.41	4	6'7"	Black	14/3	SJT	9.95	8.95	7.95	6.95
100272	17629B	JVP	.88	4	9'	Black	14/3	SJT	9.95	8.95	7.95	6.95

3-Conductor Detachable Power Cords (Unshielded) 290B/386A Plugs

2081801	17002A	JVP	.36	5	1'	Black	18/3	SVT	\$2.95	\$2.65	\$2.39	\$1.95
2172834	LL11094B	JVP	.16	5	2'	Black	18/3	SVT	2.75	2.49	2.19	1.75
2082425	17000A	JVP	.35	5	3'	Black	18/3	SVT	3.25	2.95	2.59	2.29
38041	17249	JVP	.37	5	6'	Beige	18/3	SVT	3.49	2.95	2.49	1.95
103747	17248	JVP	.34	5	6'	Gray	18/3	SVT	3.95	3.59	3.19	2.49
38050	17250	JVP	.36	5	6'	Black	18/3	SVT	4.95	4.49	3.95	3.59
132118	17500	JVP	.44	5	6'	Black	18/3	SJT	4.95	4.49	3.95	3.25
2100275	17251B	JVP	.37	5	7'7"	Black	18/3	SVT	3.49	2.95	2.75	2.49
1585637	171096	JVP	.60	5	8'	Black	18/3	SVT	4.95	4.49	3.95	3.59
102024	17501V	JVP	.55	5	10'	Black	18/3	SVT	5.95	5.69	5.39	4.95
163361	6952299	JVP	.75	5	14'	Black	18/3	SJT/JB	7.95	6.95	6.25	5.59
2145051	177323	JVP	.70	5	15'	Black	18/3	SVT	5.95	4.95	4.49	3.95
340291	17001A	JVP	.31	5	3'	Black	16/3	SJT	4.95	4.59	3.95	3.49
2126053	LL76932	JVP	.52	5	6'	Black	16/3	SJT	3.95	2.95	2.49	1.95
159361	17602	JVP	.52	5	6'	Black	16/3	SJT	6.95	5.95	5.35	4.79
1537230	LL34877	JVP	.72	5	8'	Black	16/3	SJT	7.95	6.95	6.25	5.59
125541	17504	JVP	.72	5	6'7"	Black	14/3	SJT	7.95	7.19	6.49	5.79
2172981	1181924	JVP	.95	5	10'	Black	14/3	SJT	9.95	8.95	7.95	6.95

#.55" x .62" strain relief ↑ European standard insulation color code \$ RFI filter on cord

3-Conductor Detachable Power Cords (Shielded) 290B/386A Plugs

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	250
213874	17660BG	JVP	.40	5	6'	Beige	18/3	SVT	\$4.25	\$3.79	\$3.49	\$2.95
161761	17742	SLA	.40	5	6'	Black	18/3	SVT	4.49	3.95	3.59	2.95

3-Conductor Computer Power Supply Extension Cords (150/386A/910 Plugs)

2125317	LL90989	JVP	.15	6B	1'6"	Black	18/3	SVT	\$1.75	\$1.49	\$1.25	\$1.09
206172	PEC-3	JVP	.22	6A	3'	Black	18/3	SVT	2.95	2.65	2.39	2.19
319804	LR94903	JVP	.82	6A	6'	Gray	18/3	SVT	1.95	1.75	1.49	1.09
28468	PEC	JVP	.36	6A	6'	Black	18/3	SVT	3.95	3.55	3.19	2.79
2133595	PEC-SJT	JVP	.36	6A	6'	Black	18/3	SJT	4.95	4.49	3.95	3.49
420224	10W1-02212	JVP	.53	6A	12'	Black	18/3	SVT	5.95	5.39	4.79	4.25

3-Conductor Power Cords with Pigtail (Unshielded) 910 or 386 Plug

340056	17537	JVP	.37	7A	9'10"	Black	18/3	SJT	\$2.25	\$1.95	\$1.75	\$1.49
340099	17539	JVP	.80	7A	9'10"	Black	16/3	SJT	2.25	1.95	1.75	1.49
340072	17521	JVP	.80	7B	9'10"	Black	16/3	SJT	2.25	1.95	1.75	1.49

3-Conductor Power Cord with Pigtail (Shielded) 910 Plug

339995	72WN866SSD	JVP	.49	7A	6'7"	Black	18/3	SVT	\$1.95	\$1.75	\$1.49	\$1.35
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3-Conductor Right Angle Detachable Power Cords (Unshielded) 290B/910 Plugs

117357	8120-6177	JVP	.41	8B	6'	Gray	18/3	SVT	\$3.95	\$3.55	\$3.19	\$2.79
38077	17250R	JVP	.54	8B	6'	Black	18/3	SVT	3.95	3.55	3.19	2.79
2099999	E88265	JVP	.82	8A	8'	Black	18/3	SVT	1.95	1.75	1.49	1.09
177384	17507	JVP	.28	8B	10'	Black	18/3	SVT	4.95	4.49	3.95	3.49
212519	17569R	JVP	.30	8B	10'	Black	18/3	SJT	3.95	3.59	3.25	2.95

3-Conductor Right Angle Detachable Power Cord (Shielded) 290B/910 Plugs

173252	17745	JVP	.16	8B	6'7"	Black	18/3	SVT	\$5.95	\$5.39	\$4.79	\$4.25
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3-Conductor Hospital Grade Power Cords (green dot)

2115434	LL39965	JVP	.75	9	10'	Gray	18/3	SJT	\$5.95	\$5.25	\$4.59	\$3.95
132011	17006G	JVP	.82	9	10'	Gray	16/3	SJT	10.95	9.95	8.95	7.95

3-Conductor Computer Monitor Power Adapter Cord (150/386 Plugs)

177448	MPC1	JVP	.16	10	1'	Black	18/3	SVT	\$2.95	\$2.69	\$2.39	\$2.19
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3-Conductor Detachable Power Cords (Power Strip Saver) 290B/386 Plugs

208339	P55-BR	JVP	.16	11	1'	Beige	18/3	SVT	\$2.49	\$2.25	\$1.95	\$1.75
199778	PSS-1	JVP	.16	11	1'	Black	18/3	SVT	2.95	2.69	2.39	2.15

3-Conductor Power Cord ("Y" Type Power Strip Saver II) 290B/386 (2) Plugs

208347	121-2594	ZTK	.38	12	22"	Black	16/3	SJT	\$7.95	\$6.95	\$6.25	\$5.95
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3-Conductor Power Cord ("Y" Twin End) 150/386 (2) Plugs

340566	17268A	JVP	.32	13	4'	Black	18/3	SJT	\$6.95	\$6.25	\$5.59	\$4.95
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3-Conductor "Mickey Mouse" Style Power Supply Cords

1953559	MMFLAT	MWL	.40	14	6'	Black	18/3	SPT-2	\$2.95	\$2.59	\$2.29	\$1.95
1951123	MMPC	MWL	.40	14	6'	Black	18/3	SVT	3.95	3.59	3.29	2.95

*Thermoplastic Cord Jacket Type: SPT-2 (Flat): Junior duty; SVT (Round): Light service; SJT (Round): Junior service

* JVP = Jameco ValuePro | MWL = Mean Well | SLA = Sola | ZTK = Ziotek

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



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Open-Frame Switching AC-to-DC Power Supplies

- Universal AC input/full range
- Two-year warranty
- Short-circuit, overload and overvoltage protection



PFC Model Additional Features:

- Built-in active Power Factor Protection function, power factor >0.93
- Three-year warranty

Complete power product specifications available online



USP-225



PPS-125



LPP-150

*Web Code: OSP

Part No.	Manufacturer	Mfr. Part No.	Output		Input (VAC @ Hz)	Size (L"xW"xH")	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	PFC	Certification	Pricing	
			Voltage @ Current (min-max)	Power									1	5
Single Output														
229042	Phihong	PSA15LN3-050	+5V @ 0-3A	15W	90-264 @ 47-63	4.3x1.6x0.9	4.0x1.3x0.2	50	2.0	1.0	—	UL/CUL/TUV/CE	\$18.95	\$17.25
2081836	CUI Inc.	VOF-25-5	+5V @ 4.4A	25W	85-264 @ 47-63	3.5x2.0x0.9	3.2x1.7x0.2	50	5.0	5.0	—	UL/CUL/TUV/CE/FCC	9.95	8.95
212354	Mean Well	PS-25-5	+5V @ 0-5A	25W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	80	2.0	0.5	—	UL/CUL/TUV/CE	11.95	10.95
217332	Mean Well	PS-45-5	+5V @ 0-8A	40W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	100	3.0	1.0	—	UL/CUL/TUV/CE	13.95	12.49
219011	Artesyn	NLP150L-96S5	+5.1V @ 1-22A	112.2W	90-264 @ 47-63	6.8x3.8x1.3	6.5x3.5x0.2	50	2.0	2.0	—	UL/CSA/VDE/CE	26.95	24.95
392826	Mean Well	PS-25-7.5	+7.5V @ 3.3A	24.8W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.14	80	2.0	0.5	—	UL/TUV/EN	11.95	10.95
148604	Mean Well	PS-25-12	+12V @ 0-2.1A	25.2W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	100	2.0	0.3	—	UL/CUL/TUV/CE	11.95	10.95
213728	Mean Well	PS-45-12	+12V @ 0-3.7A	44.4W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	13.95	12.49
148639	Mean Well	PS-65-12	+12V @ 0-5.2A	62.4W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	—	UL/CUL/TUV/CE	14.95	13.49
2099981	ITE	SBU60-105	+12V @ 5.25A	63W	90-264 @ 47-63	5.0x3.0x1.1	4.6x2.6x0.15	120	3.0	0.5	—	UL/CUL/CE	8.95	7.95
173472	Mean Well	LPS-100-12	+12V @ 0-8.4A	100.8W	88-264 @ 47-63	8.7x2.4x1.3	8.4x2.1x0.14	100	1.5	0.5	✓	UL/CUL/TUV/CE	32.95	29.95
374089	Mean Well	PPS-125-12	+12V @ 0-10.5A	126W	90-264 @ 47-63	5.0x3.0x1.4	4.6x2.6x0.14	100	1.0	0.5	✓	UL/CUL/TUV/CE	48.95	43.95
213681	Mean Well	LPP-150-12	+12V @ 0-12.5A	150W	85-264 @ 47-63	8.7x2.4x1.6	8.3x2.6x0.15	100	1.0	0.5	✓	UL/CUL/TUV/CE	39.95	36.95
694479	Mean Well	USP-225-12	+12V @ 0-18.7A	224.4W	90-264 @ 47-63	8.0x4.0x1.5	7.7x3.4x0.1	100	1.0	0.5	✓	UL/CUL/TUV/CB/CE/PFC	59.95	56.95
2105674	Mean Well	PS-15-15	+15V @ 0-1A	15W	85-264 @ 47-63	3.7x1.9x1.0	3.4x1.6x1.0	120	1.0	1.0	—	UL/TUV/CB/CE	7.95	7.25
216769	Mean Well	PS-25-15	+15V @ 0-1.7A	25.5W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	100	2.0	0.3	—	UL/CUL/TUV/CE	11.95	10.95
374353	Mean Well	PS-45-15	+15V @ 0-3.5A	45W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.1	100	2.0	1.0	—	UL/CUL/TUV/CE	14.95	13.95
216751	Mean Well	PS-65-15	+15V @ 0-4.2A	63W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	14.95	13.49
216670	Mean Well	LPP-100-15	+15V @ 6.7A	100W	85-264 @ 47-63	8.7x2.4x1.3	8.3x2.0x0.14	100	0.5	0.5	✓	UL/CUL/TUV/CE	37.95	33.95
668721	Mean Well	PPS-200-15	+15V @ 0-10A	150W	90-264 @ 47-63	5.0x3.0x1.4	4.6x2.6x0.1	100	1.0	0.5	✓	UL/CUL/TUV/CE	68.95	61.95
212346	Mean Well	PS-25-24	+24V @ 0-1A	24W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	240	2.0	0.2	—	UL/CUL/TUV/CE	11.95	10.95
1919035	Mean Well	PS-35-24	+24V @ 0-1.5A	36W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	240	2.0	0.2	—	UL/CUL/TUV/CE	14.95	13.49
213720	Mean Well	PS-45-24	+24V @ 0-1.9A	45.6W	90-264 @ 47-440	4.0x2.0x0.9	3.8x1.8x0.1	200	0.5	0.5	—	UL/CUL/TUV/CE/CB	13.95	12.49
148647	Mean Well	PS-65-24	+24V @ 0-2.7A	64.8W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	14.95	13.49
2129633	Elpac	MS6524F	+24V @ 2.7A (medical grade)	65W	100-240 @ 50-60	5.0x3.0x1.2	4.5x2.5x0.2	100	5.0	5.0	—	UL/CSA/TUV/CE	7.95	6.95
244727	Mean Well	LPS-75-24	+24V @ 0-3.5A	76.8W	90-264 @ 47-63	8.7x2.2x1.2	8.4x1.8x0.2	120	1.0	1.0	✓	UL/CUL/TUV/CE	18.95	17.49
173463	Mean Well	LPS-100-24	+24V @ 0-4.2A	100.8W	88-264 @ 47-63	8.7x2.4x1.3	8.4x2.1x0.1	150	0.5	0.5	✓	UL/CUL/TUV/CE	32.95	29.95
2129684	Elpac	MSM7524	+24V @ 4.6A (medical grade)	110.0W	100-240 @ 50-60	5.7x3.4x1.6	5.2x3.4x1.5	240	3.0	1.0	—	UL/CUL/CE	15.95	13.95
301429	Mean Well	PPS-125-24	+24V @ 0-5.2A	124.8W	90-264 @ 47-63	5.0x3.0x1.4	4.6x2.6x0.1	150	1.0	0.5	✓	UL/CUL/TUV/CE	48.95	43.95
213672	Mean Well	LPP-150-24	+24V @ 0-6.3A	150W	85-264 @ 47-63	8.7x2.4x1.6	8.3x2.6x0.2	150	0.5	0.5	✓	UL/CUL/TUV/CE	39.95	36.95
668730	Mean Well	PPS-200-24	+24V @ 0-8.3A	199.2W	90-264 @ 47-63	5.0x3.0x1.4	3.7x7.8x0.14	150	1.0	0.5	✓	UL/CUL/TUV/CE	68.95	61.95
201946	Mean Well	PS-65-27	+27V @ 0-2.4A	64.8W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	14.95	13.49
236882	Mean Well	LPP-100-27	+27V @ 0-3.8A	102.6W	88-264 @ 47-63	8.7x2.4x1.3	8.4x2.1x0.1	150	0.5	0.5	✓	UL/CUL/TUV/CE	24.95	22.95
Double Output														
212312	Mean Well	PD-2505	+5V @ 0.1-3A; -5V @ 0.1-2.5A	25W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.08x0.1	50	4.0	1.0	—	UL/CUL/TUV/CE	\$13.95	\$12.49
212338	Mean Well	PD-25A	+5V @ 0.2-2.5A; +12V @ 0.1-1.5A	25W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.08x0.1	50	1.0	0.5	—	UL/CUL/TUV/CE	13.95	12.49
212330	Mean Well	PD-25B	+5V @ 0.2-2A; +24V @ 0.1-1A	25.2W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	50	1.0	0.5	—	UL/CUL/TUV/CE	13.95	12.49
194862	Mean Well	PD-45A	+5V @ 0.4-3.2A; +12V @ 0.2-2	40W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	14.95	13.49
194889	Mean Well	PD-65A	+5V @ 0.4-7A; +12V @ 0.2-3.2A	61.1W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	16.95	14.95
692377	Autec	UPS65-1002	+5V @ 0.5-3.5A; +12V @ 0.1-4A	65W	90-260 @ 47-63	6.0x3.5x1.5	4.8x3.2x0.2	50	2.0	0.5	—	UL/CSA/TUV	15.95	13.95
194897	Mean Well	PD-65B	+5V @ 0.4-3.5A; +24V @ 0.2-2A	65.5W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	16.95	14.95
148690	Mean Well	PD-2512	+12V @ 0.1-1.2A; -12V @ 0.1-1A	24W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	50	3.0	0.5	—	UL/CUL/TUV/CE	13.95	12.49
2100857	Mean Well	PD-25-15	+15V @ 1A, -5V @ 1A	25W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	50	3.0	0.5	—	UL/CUL/TUV/CE	13.95	12.49

* Primary Output

DIY POWER SUPPLY KITS

These kits come with complete instructions for you to build your very own power supply.

120539: Converts a DC voltage to a PWM output with adjustable 100Hz to 5kHz frequency

117621: Outputs a regulated adjustable 1.5 to 35V up to 1A

Part No.	Description	Size (L" x W" x H")	1	5
120539	DC to PWM kit	3.3 x 1.9 x 1.8	\$23.95	\$21.95
117621	1A power supply	2.1" L x 1.2" W	13.95	11.95

120539

AC-TO-DC SWITCHING TABLE-TOP POWER SUPPLIES

- Input: 100-240VAC @ 50-60Hz
- Plug connector: Female center positive
- 2172771 / 2172797: AC cord not included, recommend P/N 38050

Part No.	Output	Plug Size	1	5
2172771	12V @ 5A	2.1mm x 5.5mm	\$19.95	\$17.95
2172789	24V @ 1.25A	2.1mm x 5.5mm	15.49	14.95
2172797	24V @ 3.75A	2.5mm x 5.5mm	32.95	29.95

2172789

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Open-Frame Switching AC-to-DC Power Supplies

Jameco carries the full line of Mean Well Power products. For additional products visit www.Jameco.com/meanwellproducts



Open-Frame Switching AC-to-DC Power Supplies (Continued)

★ Web Code: OSP

- Universal AC input/full range
- Short-circuit, overload and overvoltage protection
- Two-year warranty

PFC Model Additional Features:

- Built-in active Power Factor Protection function, power factor >0.93
- Three-year warranty

Complete power product specifications available online



USP-225



PPS-125



LPP-150

			Output		Input	Size	Mounting	Ripple & Noise	Load Reg.	Line Reg.			Pricing	
Part No.	Manufacturer	Mfr. Part No.	Voltage @ Current (min-max)	Power	(VAC @ Hz)	(L"xW"xH")	(L"xW"xDia.")	(mV p-p)*	(±%)*	(±%)*	PFC	Certification	1	5
Triple Output														
2081617	Artesyn	NFN40-7607	+5V @ 3A; +12V @ 2A; -5V @ 0.35A	40W	85-264 @ 47-440	5.0x3.0x1.2	4.6x2.6x0.15	50	2.0	1.0	—	UL/CSA/TUV	\$10.95	\$9.49
2129676	Elpac	MSM40D	+5.1V @ 4A; +24V @ 1A; -12V @ 0.4A	40W	100-240 @ 50-60	5.0x3.0x1.1	4.6x2.5x0.2	50	5.0	5.0	—	UL/CUL/CSA/CE	12.95	10.95
229122	Phihong	PSA4531	+5V @ 0-4A; +12V @ 0-1.5A; -12V @ 0-0.5A	44W	90-264 @ 47-63	5.0x3.0x1.2	4.6x2.6x0.2	50	2.0	1.0	—	UL/CSA/TUV/CE	33.95	31.49
88402	Mean Well	PT-45B	+5V @ 0.4-3A; +12V @ 0.2-2A; -12V @ 0-0.3A	45W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	16.95	14.95
216734	Mean Well	PT-65B	+5V @ 0.4-5.5A; +12V @ 0.2-2.5A; -12V @ 0-0.5A	63.5W	90-264 @ 47-440	5.0x3.0x1.7	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	17.95	16.49
216726	Mean Well	PT-65C	+5V @ 0.4-5.5A; +15V @ 0.2-2A; -15V @ 0-0.5A	65W	90-264 @ 47-440	5.0x3.0x1.7	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	17.95	16.49
215707	Mean Well	PT-65D	+5V @ 0.5-4A; +12V @ 0.2-2A; +24V @ 0.2-1A	65W	90-264 @ 47-440	5.0x3.0x1.7	4.6x2.6x0.2	50	2.0	1.0	—	UL/CUL/TUV/CE	17.95	16.49

* Primary Output

** Medical rated



Open-Frame Linear AC-to-DC Power Supplies

★ Web Code: MSP

- Load regulation: ±0.5%
- Line regulation: ±0.5%
- UL/CE/TUV certified
- Jumperable between 100VAC to 240VAC

Part No.	Manufacturer	Mfr. Part No.	Output		Input (VAC @ Hz)	Rip & Noise (mV p-p)	Size (L" x W" x H")	Pricing		
			Voltage@Current (min-max)	Power				1	5	25
2077503	Astec	ACV12N5	+12V @ 5.1A	61W	100-240 @ 47-63Hz	3.0	7.0 x 4.87 x 2.75	\$11.95	\$10.95	\$9.95
2077511	Astec	ACV15N4.5	+15V @ 4.5A	67.5W	100-240 @ 47-63Hz	3.0	7.0 x 4.87 x 2.75	12.95	11.49	9.95



2077503



Open-Frame Medical Switching AC-to-DC Power Supplies



- Universal AC input/full range
- 100% full-load burn-in test
- Soft-start circuit, limiting AC surge current
- Short-circuit, overload and overvoltage protection
- Load regulation: ±2.0%
- Line regulation: ±1.0%
- Voltage adjustment: 10%
- Inrush current: 20A @ 120VAC
- 2129633 and 2129676: Load/line reg. ±5%
- Leakage current: 0.3mA @ 240V
- Isolation voltage: 4000VAC
- Working temp.: -10°C to +60°C
- Mating connector: P/N 104732, pg 59
- 2129684: ±1% line reg. ±3% load reg.
- 2.9 watts/in³ max.



MPS-65

Performance
at Value Prices

★ Web Code: JBK

Part No.	Manufacturer	Mfr. Part No.	Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing	
			Voltage @ Current (min-max)	Power				1	5
694971	Mean Well	NFM-05-5	+5V @ 0-1A	5W	2.3 x 1.8 x 0.8	80	UL/CUL/TUV/CE	\$9.95	\$8.95
221058	Mean Well	MPS-45-7.5	+7.5V @ 0-5.4A	40.5W	90-264 @ 47-440	100	UL/CUL/TUV/CE	20.95	19.49
221154	Mean Well	MPS-65-12	+12V @ 0-5.2A	62.4W	90-264 @ 47-440	100	UL/CUL/TUV/CE	22.95	19.95
2129633	Elpac	MS6524F	+24V @ 2.7A	65.0W	85-264 @ 50-60	240	UL/CSA/TUV/CE	7.95	6.95
2129684	Elpac	MSM7524F	+24V @ 4.6A	110.0W	90-264 @ 47-63	240	UL/CUL/CE	15.95	13.95
2129676	Elpac	MSM40D	+5.1V @ 4A; +24V @ 1A; -12V @ 0.4A	110.0W	90-264 @ 47-63	50	UL/CUL/CSA/CE	12.95	10.95

* Primary Output

\$ Ultra-miniature

BEST SELLING — OPEN-FRAME POWER SUPPLIES

Part No.	Mfr.	Mfr. Part No.	Price
148639	Mean Well	PS-65-12	\$14.95
2099981	ITE	SBU60-105	8.95
148690	Mean Well	PD-2512	13.95



ITE Power Supply



Part No.	Mfr.	Mfr. Part No.	Price
88402	Mean Well	PT-45B	\$16.95
2077503	Astec	ACV12N5	11.95
221154	Mean Well	MPS-65-12	22.95

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Jameco carries the full line of Mean Well Power products. For additional products visit www.Jameco.com/meanwellproducts



Enclosed Switching AC-to-DC Power Supplies

★ Web Code: EPS

- 100% full-load burn-in test

† Additional Info:

- G3 Series:** Miniature size, high reliability, suitable for critical applications
 - 70°C operation
 - Withstand 300VAC surge input for 5 sec.
 - Short-circuit/overload/overvoltage protection
 - 88-264VAC @ 47-63Hz
 - 5G vibration
 - Three-year warranty
- G2 Series:** Without CE certification for models more than 200W (except for S-240)
 - 85-264VAC @ 47-63Hz
 - Universal AC input (25-60W), Switch selectable AC input (100W and above), AC input range auto-sensing (240W)
 - Two-year warranty
- PFC Series:** Built-in active Power Factor Correction function
 - Power factor >0.93
 - 88-264VAC @ 47-63Hz
 - Universal AC input
 - Three-year warranty
- Parallel Series:** Built-in remote sense, remote on/off control & parallel functions
 - Short-circuit/overvoltage/overload/overtemperature protection
 - 115 & 220V versions @ 47-63Hz
- Parallel Series with PFC:** Same as parallel series with Power Factor Correction
- G5 Series:** Built-in active PFC function
 - 1U low profile 38mm
 - High efficiency up to 89%
 - Withstand 300VAC surge input for 5 sec.
 - 85-264VAC @ 47-63Hz
 - Five-year warranty
- NE Series:** Most economical low wattage solution with safety certificates
 - Short-circuit/overvoltage/overload protection
 - Universal AC input
 - Small size, high power density
 - Two-year warranty
- SE Series:** AC input selectable by switch
 - Withstand 300VAC surge input for 5 seconds
 - Forced air cooling by built-in DC fan (SE-350/450)
 - 100% full load burn-in test
 - Short-circuit/overvoltage/overload/overtemperature protection
 - Built-in remote sense function (SE350/450)
 - Two-year warranty
- Security Series:**
 - Universal AC input/full range
 - Battery low protection
 - Protections: short circuit/overload/overvoltage
 - Fixed switching frequency at 134kHz
 - Cooling by free air convection
 - Two-year warranty



SP-150



HRPG-150



HRP-300



SCN-600



NES-75



SE-600

Complete power product specifications available online

Part No.	Manufacturer	Mfr. Part No.	Output		Size (L"xW"xH")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Additional Info (above)†	Certification	Pricing	
			Voltage @ Current (min-max)	Power							1	5
Single Output												
693193	Mean Well	RS-25-3.3	+3.3V @ 0-6A	19.8W	3.0x2.0x1.1	80	2.0	0.5	1	UL/CUL/TUV/CE/CB	\$14.95	\$13.49
201903	Mean Well	SP-150-3.3	+3.3V @ 0-30A	99W	7.0x3.9x2.0	100	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	45.95	41.95
1919043	Mean Well	RS-15-5	+5V @ 0-3A	15W	2.5x2.0x1.1	80	1.5	0.5	1	UL/CUL/TUV/CE/CB	12.95	11.95
323282	Mean Well	RS-25-5	+5V @ 0-5A	25W	3.1x2.0x1.1	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	14.95	13.49
123247	Mean Well	S-25-5	+5V @ 0-5A	25W	3.9x3.8x1.4	50	1.0	0.5	2	UL/TUV/CE	18.95	16.95
123290	Mean Well	S-40-5	+5V @ 0-8A	40W	5.1x3.9x1.5	75	1.0	0.5	2	UL/CUL/TUV/CE/CB	21.95	19.95
689784	Metapo	1M051C05-0M	+5V @ 0-10A	50W	6.0x3.7x1.5	100	2.0	0.5	—	UL/CUL	9.95	8.95
323388	Mean Well	RS-50-5	+5V @ 0-10A	50W	3.9x3.8x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	17.95	16.49
2079390	PowerLD	PD-60-5	+5V @ 0-10A	50W	5.1x3.9x1.5	50	2.0	0.5	—	UL/CUL/CE	21.95	19.95
689768	Potrans	FS-06005-0M	+5V @ 0-12A	60W	5.1x3.9x1.5	120	—	—	—	UL/CUL/CE	10.95	9.95
123327	Mean Well	S-60-5	+5V @ 0-12A	60W	6.3x3.8x1.5	120	1.0	0.5	2	UL/CUL/TUV/CE/CB	24.95	22.49
323708	Mean Well	RS-100-5	+5V @ 0-16A	80W	6.3x3.8x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	29.95	26.95
201962	Mean Well	S-100F-5	+5V @ 0-20A	100W	7.8x3.9x1.5	100	1.0	0.5	2	UL/CUL/TUV/CE/CB	29.95	27.95
194791	Mean Well	SP-100-5	+5V @ 0-20A	100W	7.0x3.9x1.8	100	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	41.95	36.95
123394	Mean Well	S-150-5	+5V @ 0-30A	150W	7.0x4.3x2.0	150	0.5	0.5	2	UL/CUL/TUV/CE/CB	34.95	31.95
201912	Mean Well	SP-150-5	+5V @ 0-30A	150W	7.0x3.9x2.0	100	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	45.95	41.95
202042	Mean Well	SP-200-5	+5V @ 0-40A	200W	7.0x3.9x2.0	100	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	53.95	48.95
2102490	Mean Well	SP-240-5	+5V @ 0-45A	225W	7.5x3.7x2.0	150	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	54.95	49.95
216776	Mean Well	S-320-5	+5V @ 0-50A	250W	8.5x4.5x2.0	150	1.0	0.5	2	UL/CUL	69.95	64.95
244735	Mean Well	SP-320-5	+5V @ 0-55A at 230VAC; 0-44A at 115VAC	275W	8.5x4.5x2.0	150	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	66.95	59.95
693644	Mean Well	SP-480-5	+5V @ 0-85A	425W	10.9x5.0x1.7	80	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	144.95	129.95
374002	Mean Well	SE-600-05	+5V @ 0-100A	500W	9.7x5.0x2.5	150	2.0	0.5	8	UL/CUL	99.95	89.95
693661	Mean Well	SP-750-5	+5V @ 0-120A	600W	10.9x5.0x2.5	120	2.0	0.5	3	UL/CUL/TUV/CE/CB	209.95	194.95
123415	Mean Well	S-150-7.5	+7.5V @ 0-20A	150W	7.0x4.3x2.0	150	0.5	0.5	2	UL/CUL/TUV/CE/CB	34.95	31.95
207212	Mean Well	S-320-7.5	+7.5V @ 0-36A	270W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	69.95	64.95
394215	Mean Well	SP-320-7.5	+7.5V @ 0-40A	300W	8.5x4.5x2.0	150	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	66.95	59.95
693353	Mean Well	S-150-9	+9V @ 0-16.70A	150.3W	7.8x4.3x2.0	180	0.3	0.3	2	UL/CUL/TUV/CE/CB	34.95	31.95
1919051	Mean Well	RS-15-12	+12V @ 0-1.3A	15.6W	2.5x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	12.95	11.95
2120356	Potrans	FS-02512-1M-02	+12V @ 2.1A	25.2W	3.9x3.8x1.3	120	0.05	0.05	—	UL/CUL/CE	8.95	7.95
323300	Mean Well	RS-25-12	+12V @ 0-2.1A	25.2W	3.0x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	14.95	13.49
123255	Mean Well	S-25-12	+12V @ 0-2.1A	25.2W	3.9x3.8x1.4	100	0.5	0.5	2	UL/TUV/CE	18.95	16.95
323337	Mean Well	RS-35-12	+12V @ 0-3A	36W	3.9x3.2x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	15.95	14.49
123298	Mean Well	S-40-12	+12V @ 0-3.5A	42W	5.1x3.9x1.5	100	0.5	0.5	2	UL/CUL/TUV/CE/CB	21.95	19.95
323396	Mean Well	RS-50-12	+12V @ 0-4.2A	50.4W	3.9x3.8x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	17.95	16.49
123335	Mean Well	S-60-12	+12V @ 0-5A	60W	6.3x3.8x1.5	120	0.5	0.5	2	UL/CUL/TUV/CE/CB	24.95	22.49
323599	Mean Well	RS-75-12	+12V @ 0-6A	72W	5.1x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	20.95	19.49

* Primary Output

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Enclosed Switching AC-to-DC Power Supplies



Enclosed Switching AC-to-DC Power Supplies (Continued)

Complete power product specifications available online

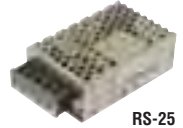
• 100% full-load burn-in test



*Web Code: EPS



PSP-600



RS-25

Part No.	Manufacturer	Mfr. Part No.	Output		Size (L"xW"xH")	Ripple & Noise (mV p-p) *	Load Reg. (±%)*	Line Reg. (±%)*	Additional Info (Pg 108)†	Certification	Pricing	
			Voltage @ Current (min-max)	Power							1	5
Single Output (Continued)												
194838	Mean Well	SP-75-12	+12V @ 0-6.3A	75.6W	7.0x3.9x1.3	80	0.5	0.5	3	UL/CUL/TUV/CE/CB	\$34.95	\$31.95
2105017	Mean Well	NES-100-12	+12V @ 0-8.5A	102W	6.3x3.8x1.5	120	0.5	0.5	7	UL/CUL/CE/CB	21.95	19.49
123386	Mean Well	S-100F-12	+12V @ 0-8.5A	102W	7.8x3.9x1.5	125	0.5	0.5	2	UL/TUV/CE/CB	29.95	27.95
323716	Mean Well	RS-100-12	+12V @ 0-8.5A	102W	6.3x3.8x1.5	120	0.5	0.5	3	UL/CUL/TUV/CE/CB	29.95	26.95
194803	Mean Well	SP-100-12	+12V @ 0-8.5A	102W	7.0x3.9x1.8	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	41.95	36.95
123423	Mean Well	S-150-12	+12V @ 0-12.5A	150W	7.0x4.3x2.0	180	0.3	0.3	2	UL/CUL/TUV/CE/CB	34.95	31.95
323839	Mean Well	RS-150-12	+12V @ 0-12.5A	150W	7.8x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	31.95	28.95
173421	Mean Well	SP-150-12	+12V @ 0-12.5A	150W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	45.95	41.95
2094848	Mean Well	HRPG-150-12	+12V @ 0-13A	156W	6.3x3.8x1.5	120	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	79.95	72.95
2138839	Globe Tek	SP-200-12GL(R)	+12V @ 0-16.7A	200.4W	7.8x3.9x2.0	100	1.0	0.5	3	UL/CUL/TUV/CE/PFC	19.95	17.95
194774	Mean Well	SP-200-12	+12V @ 0-16.7A	200.4W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	53.95	48.95
2101497	Mean Well	SP-240-12	+12V @ 0-20A	240W	7.5x3.7x2.0	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	54.95	49.95
207204	Mean Well	S-320-12	+12V @ 0-25A	300W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	69.95	64.95
244743	Mean Well	SP-320-12	+12V @ 0-25A at 230VAC; 0-20A @ 115VAC	300W	8.5x4.5x2.0	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	66.95	59.95
2102203	Mean Well	HRP-300-12	+12V @ 0-27A	324W	7.8x4.1x1.6	120	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	104.95	94.95
2094872	Mean Well	HRPG-300-12	+12V @ 0-27A	324W	7.8x4.1x1.6	120	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	109.95	99.95
2094928	Mean Well	SE-450-12	+12V @ 0-37.5A	450W	8.9x4.9x2.0	200	1.0	0.5	8	UL/CUL/TUV/CE/CB/PFC	76.95	69.95
301373	Mean Well	SP-480-12	+12V @ 0-40A at 230VAC; 0-36A @ 115VAC	480W	10.9x5.0x1.7	120	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	144.95	129.95
190693	Mean Well	SP-500-12	+12V @ 0-40A at 230VAC; 0-34A @ 115VAC	480W	6.7x4.7x3.7	240	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	159.95	144.95
374011	Mean Well	SE-600-12	+12V @ 0-50A	600W	9.7x5.0x2.5	150	0.5	0.5	8	UL/CUL	99.95	89.95
374214	Mean Well	PSP-600-12	+12V @ 0-50A	600W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	139.95	126.95
2094961	Mean Well	HRPG-600-12	+12V @ 0-53A	636W	8.6x4.1x2.5	120	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	179.95	159.95
319944	Mean Well	SP-750-12	+12V @ 0-62A	750W	10.9x5.0x2.5	120	0.5	0.3	3	UL/CUL/TUV/CE/CB	209.95	194.95
202025	Mean Well	S-150-13.5	+13.5V @ 0-11.2A	151.2W	7.0x4.3x2.0	180	0.3	0.3	2	UL/CUL/TUV/CE/CB	34.95	31.95
394193	Mean Well	SP-150-13.5	+13.5V @ 0-11.2A	151.2W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	45.95	41.95
212410	Mean Well	SP-200-13.5	+13.5V @ 0-14.9A	201.1W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	53.95	48.95
693572	Mean Well	S-320-13.5	+13.5V @ 0-22A	297W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	69.95	64.95
693599	Mean Well	SP-320-13.5	+13.5V @ 0-22A	297W	8.5x4.5x2.0	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	66.95	59.95
212389	Mean Well	SP-500-13.5	+13.5V @ 0-36A at 230VAC; 0-30.6A @ 115VAC	486W	6.7x4.7x3.7	240	0.5	0.5	3	UL/CUL/TUV/CE/CB	159.95	144.95
2106079	Mean Well	PSP-600-13.5	+13.5V @ 0-44.5A	600W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB	139.95	126.95
2105439	Mean Well	AD-155A	+13.8V @ 0-5A 10.5A	151.6W	7.8x4.3x2.0	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	54.95	48.95
1919060	Mean Well	RS-15-15	+15V @ 0-1A	15W	2.5x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	12.95	11.95
123263	Mean Well	S-25-15	+15V @ 0-1.7A	25.5W	3.9x3.8x1.4	100	0.5	0.5	2	UL/TUV/CE	18.95	16.95
323302	Mean Well	RS-25-15	+15V @ 0-1.7A	25.5W	3.0x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	14.95	13.49
323345	Mean Well	RS-35-15	+15V @ 0-2.4A	36W	3.9x3.2x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	15.95	14.49
155053	Skynet	SNP-9548-M1	+15V @ 2.6A	39W	5.0x3.0x1.2	100	1.0	1.0	—	UL/CUL/CSA	11.95	10.95
202140	Mean Well	S-40-15	+15V @ 0-2.8A	42W	5.1x3.9x1.5	100	0.5	0.5	2	UL/CUL/TUV/CE/CB	21.95	19.95
323409	Mean Well	RS-50-15	+15V @ 0-3.4A	51W	3.9x3.8x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	17.95	16.49
123343	Mean Well	S-60-15	+15V @ 0-4A	60W	6.3x3.8x1.5	150	0.5	0.5	2	UL/CUL/TUV/CE/CB	24.95	22.49
323602	Mean Well	RS-75-15	+15V @ 0-5A	75W	5.1x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	20.95	19.49
194845	Mean Well	SP-75-15	+15V @ 0-5A	75W	7.0x3.8x1.3	80	0.5	0.5	3	UL/CUL/TUV/CE/CB	34.95	31.95
212450	Mean Well	S-100F-15	+15V @ 0-6.7A	100.5W	7.8x3.9x1.5	125	0.5	0.5	2	UL/CUL/TUV/CE/CB	29.95	27.95
212433	Mean Well	SP-100-15	+15V @ 0-6.7A	100.5W	7.0x3.9x1.8	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	41.95	36.95
323724	Mean Well	RS-100-15	+15V @ 0-7A	105W	6.3x3.8x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	29.95	26.95
123432	Mean Well	S-150-15	+15V @ 0-10A	150W	7.0x4.3x2.0	180	0.3	0.3	2	UL/CUL/TUV/CE/CB	34.95	31.95
323847	Mean Well	RS-150-15	+15V @ 0-10A	150W	7.8x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	31.95	28.95
173412	Mean Well	SP-150-15	+15V @ 0-10A	150W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	45.95	41.95
2094856	Mean Well	HRPG-150-15	+15V @ 0-10A	150W	6.3x3.8x1.5	150	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	79.95	72.95
202060	Mean Well	SP-200-15	+15V @ 0-13.4A	201W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	53.95	48.95
374993	Mean Well	S-320-15	+15V @ 0-20A	300W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	69.95	64.95
693610	Mean Well	SP-320-15	+15V @ 0-20A	300W	8.5x4.5x2.0	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	66.95	59.95
693652	Mean Well	SP-480-15	+15V @ 0-35A	480W	10.9x5.0x1.7	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	144.95	129.95
291522	Mean Well	SE-600-15	+15V @ 0-40A	600W	9.7x5.0x2.5	150	0.5	0.5	8	UL/CUL	99.95	89.95
374222	Mean Well	PSP-600-15	+15V @ 0-40A	600W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	139.95	126.95

*Primary Output

†Additional info on page 108

Continued on next page

*For additional products, availability, and additional specifications visit [Jameco.com](http://www.Jameco.com) and enter the web code in the product search box



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SP-500

* Web Code: EPS

Part No.	Manufacturer	Mfr. Part No.	Output		Size (L"xW"xH")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Additional Info (Pg 108)†	Certification	Pricing	
			Voltage @ Current(min-max)	Power							1	5
Single Output (Continued)												
2094901	Mean Well	HRPG-600-15	+15V @ 0-43A	645W	8.6x4.1x2.5	150	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	\$179.95	\$159.95
1585696	Mean Well	RSP-1000-15	+15V @ 0-50A	750W	11.6x5.0x1.6	150	0.5	0.5	5	UL/CUL/TUV/CE	259.95	239.95
694920	Mean Well	RSP-1500-15	+15V @ 0-100A	1500W	10.9x5.0x3.3	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	369.95	339.95
1919078	Mean Well	RS-15-24	+24V @ 0-0.625A	15W	2.5x2.0x1.1	200	0.5	0.5	1	UL/CUL/TUV/CE/CB	12.95	11.95
123272	Mean Well	S-25-24	+24V @ 0-1.1A	26.4W	3.9x3.8x1.4	100	0.5	0.5	2	UL/TUV/CE	18.95	16.95
323311	Mean Well	RS-25-24	+24V @ 0-1.1A	26.4W	3.0x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	14.95	13.49
323353	Mean Well	RS-35-24	+24V @ 0-1.5A	36W	3.9x3.2x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	15.95	14.49
689792	Metapo	1M041C24-1M	+24V @ 0-1.8A	43W	4.8x3.8x1.5	100	0.5	0.5	—	UL/CUL/TUV/CE	12.95	11.95
123319	Mean Well	S-40-24	+24V @ 0-1.8A	43W	5.1x3.9x1.5	100	0.5	0.5	2	UL/CUL/TUV/CE/CB	21.95	19.95
323417	Mean Well	RS-50-24	+24V @ 0-2.2A	52.8W	3.9x3.8x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	17.95	16.49
123352	Mean Well	S-60-24	+24V @ 0-2.5A	60W	6.3x3.8x1.5	150	0.5	0.5	2	UL/CUL/TUV/CE/CB	24.95	22.49
323620	Mean Well	RS-75-24	+24V @ 0-3.2A	76.8W	5.1x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	20.95	19.49
2104250	Mean Well	NES-75-24	+24V @ 0-3.2A	76.8W	6.3x3.8x1.5	200	0.5	0.5	7	UL/CUL/CE/CB	18.95	16.95
194854	Mean Well	SP-75-24	+24V @ 0-3.2A	76.8W	7.0x3.9x1.3	100	0.5	0.5	3	UL/CUL/TUV/CE/CB	34.95	31.95
194812	Mean Well	SP-100-24	+24V @ 0-4.2A	100.8W	7.0x3.9x1.8	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	41.95	36.95
201971	Mean Well	S-100F-24	+24V @ 0-4.5A	108W	7.8x3.9x1.5	150	0.5	0.5	2	UL/TUV/CE/CB	29.95	27.95
323732	Mean Well	RS-100-24	+24V @ 0-4.5A	108W	6.3x3.8x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	29.95	26.95
155651	Power One	MAP110-1024CM	+24V @ 5A or +28V @ 4.3A	120W	7.0x4.3x1.8	240	0.5	1.0	—	UL/CSA/TUV	19.95	17.95
173404	Mean Well	SP-150-24	+24V @ 0-6.25A	150W	7.0x3.9x2.0	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	45.95	41.95
123450	Mean Well	S-150-24	+24V @ 0-6.5A	156W	7.0x4.3x2.0	240	0.2	0.2	2	UL/CUL/TUV/CE/CB	34.95	31.95
323855	Mean Well	RS-150-24	+24V @ 0-6.5A	156W	7.8x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	31.95	28.95
2101868	Mean Well	HRP-150-24	+24V @ 0-6.5A	156W	6.3x3.8x1.5	150	0.5	0.2	3	UL/CUL/TUV/CE/CB	74.95	66.95
2094864	Mean Well	HRPG-150-24	+24V @ 0-6.5A	156W	6.3x3.8x1.5	150	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	79.95	72.95
2135523	TDK/Lambda	HWS150-24/A	+24V @ 0-6.5A	156W	6.3x1.7x3.2	150	0.5	0.3	—	UL/CSA/CE/EN/IEC	64.95	54.95
194782	Mean Well	SP-200-24	+24V @ 0-8.4A	201.6W	7.0x3.9x2.0	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	53.95	48.95
2104583	Mean Well	S-250-24	+24V @ 0-10A	240W	5.9x5.5x3.4	120	0.5	0.5	2	UL/CUL	48.95	43.95
2101518	Mean Well	SP-240-24	+24V @ 0-10A	240W	7.5x3.7x2.0	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	54.95	49.95
196657	Mean Well	S-320-24	+24V @ 0-12.5A	300W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	69.95	64.95
244752	Mean Well	SP-320-24	+24V @ 0-13A	312W	8.5x4.5x2.0	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	66.95	59.95
2102220	Mean Well	HRP-300-24	+24V @ 0-14A	336W	7.7x4.1x1.6	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	104.95	94.95
2094881	Mean Well	HRPG-300-24	+24V @ 0-14A	336W	7.8x4.1x1.6	150	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	109.95	99.95
2101606	Mean Well	SE-450-24	+24V @ 0-18.8A	451.2W	8.9x4.9x2.0	200	0.5	0.2	8	UL/CUL	76.95	69.95
2122335	Mean Well	HRP-450-24	+24V @ 0-18.8A	451.2W	8.6x4.1x1.6	150	0.5	0.2	6	UL/CUL/TUV/CE/CB/PFC	137.95	124.95
301322	Mean Well	SP-480-24	+24V @ 0-22A	480W	10.9x5.0x1.7	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	144.95	129.95
147054	Mean Well	SP-500-24	+24V @ 0-20A	480W	6.7x4.7x3.7	240	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	159.95	144.95
295902	Mean Well	SE-600-24	+24V @ 0-25A	600W	9.7x5.0x2.5	150	0.5	0.5	8	UL/CUL	99.95	89.95
374231	Mean Well	PSP-600-24	+24V @ 0-25A	600W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	139.95	126.95
320048	Mean Well	SP-750-24	+24V @ 0-31.3A	750W	10.9x5.0x2.5	120	0.5	0.2	3	UL/CUL/TUV/CE/CB	209.95	194.95
1585717	Mean Well	RSP-1000-24	+24V @ 0-40A	960W	11.6x5.0x1.6	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	259.95	239.95
2101569	Mean Well	RE-1000-24	+24V @ 0-41.7A	1000.8W	10.9x5.0x2.5	200	0.5	0.5	4	UL/CUL	204.95	184.95
694938	Mean Well	RSP-1500-24	+24V @ 0-63A	1512W	10.9x5.0x3.3	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	369.95	339.95
693409	Mean Well	SP-75-27	+27V @ 0-2.8A	75.6W	7.0x3.9x1.3	100	0.5	0.5	3	UL/CUL/TUV/CE/CB	34.95	31.95
202033	Mean Well	S-150-27	+27V @ 0-5.6A	151.2W	7.0x4.3x2.0	240	0.2	0.2	2	UL/CUL/TUV/CE/CB	34.95	31.95
693513	Mean Well	SP-150-27	+27V @ 0-5.6A	151.2W	7.8x3.9x2.0	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	45.95	41.95
693548	Mean Well	SP-200-27	+27V @ 0-7.5A	202.5W	7.0x3.9x2.0	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	53.95	48.95
693581	Mean Well	S-320-27	+27V @ 0-11.0A	297W	8.5x4.5x2.0	200	0.5	0.5	2	UL/CUL	69.95	64.95
693628	Mean Well	SP-320-27	+27V @ 0-11.7A	315.9W	8.5x4.5x2.0	200	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	66.95	59.95
190706	Mean Well	SP-500-27	+27V @ 0-18A	486W	6.7x4.7x3.7	200	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	159.95	144.95
295911	Mean Well	SE-600-27	+27V @ 0-22.2A	599.4W	9.7x5.0x2.5	150	0.5	0.5	8	UL/CUL	99.95	89.95
374257	Mean Well	PSP-600-27	+27V @ 0-22.2A	600W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	139.95	126.95
374038	Mean Well	SP-750-27	+27V @ 0-27.8A	750W	10.9x5.0x2.5	120	0.5	0.2	3	UL/CUL/TUV/CE/CB	209.95	194.95
1585709	Mean Well	RSP-1000-27	+27V @ 0-37.0A	999W	11.6x5.0x1.6	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	259.95	239.95
694946	Mean Well	RSP-1500-27	+27V @ 0-56A	1512W	10.9x5.0x3.3	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	369.95	339.95
2102983	Mean Well	PB-120N-27C#	+27.6V @ 0-4.3A	118.7W	7.1x3.8x1.9	150	\$	\$	—	UL/CUL/TUV/CE/CB	44.95	39.95

* Primary Output # See complete specs on page 118 \$ Load line regulation is dependent on battery current requirement † Additional info on page 108

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Enclosed Switching AC-to-DC Power Supplies



Enclosed Switching AC-to-DC Power Supplies (Continued)



SP-200



* Web Code: EPS

Part No.	Manufacturer	Mfr. Part No.	Output		Size (L"xW"xH")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Additional Info (Pg 108)†	Certification	Pricing	
			Voltage @ Current (min-max)	Power							1	5
Single Output (Continued)												
2146118	Mean Well	AD-155B	+27.6V @ 0-5.5A	152W	7.8x4.3x2.0	150	0.5	0.5	9	UL/CUL/TUV/CE/CB	\$54.95	\$48.95
2102473	Mean Well	SP-240-30	+30V @ 0-8A	240W	7.5x3.7x2.0	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	54.95	49.95
2101024	Mean Well	HRP-75-36	+36V @ 0-2.1A	75.6W	5.1x3.9x1.5	200	0.5	0.2	3	UL/CUL/TUV/CE/CB	51.95	46.95
2102730	Mean Well	SP-320-36	+36V @ 0-8.8A	316.8W	8.5x4.5x2.0	220	0.5	0.2	3	UL/CUL/TUV/CE/CB	66.95	59.95
2104524	Mean Well	SE-600-36	+36V @ 0-16.6A	598W	9.7x5.0x2.5	200	0.5	0.5	8	UL/CUL	99.95	89.95
2101753	Mean Well	HRPG-600-36	+36V @ 0-17.5A	630W	8.6x4.1x2.5	200	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	179.95	159.95
693206	Mean Well	RS-25-48	+48V @ 0-0.57A	27.4W	3.1x2.0x1.1	200	0.5	0.5	1	UL/CUL/TUV/CE/CB	14.95	13.49
693249	Mean Well	RS-50-48	+48V @ 0-1.1A	52.8W	3.9x3.8x1.4	200	0.5	0.5	1	UL/CUL/TUV/CE/CB	17.95	16.49
216793	Mean Well	S-100F-48	+48V @ 0-2.2A	105.6W	7.8x3.9x1.5	150	0.5	0.5	2	UL/TUV/CE/CB	29.95	27.95
167346	Mean Well	S-150-48	+48V @ 0-3.2A	153.6W	7.0x4.3x2.0	240	0.2	0.2	2	UL/CUL/TUV/CE/CB	34.95	31.95
201929	Mean Well	SP-150-48	+48V @ 0-3.2A	154W	7.0x3.9x2.0	250	0.5	0.5	3	UL/CUL/TUV/CE	39.95	36.95
201930	Mean Well	SP-150-48	+48V @ 0-3.2A	153.6W	7.0x3.9x2.0	250	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	45.95	41.95
323863	Mean Well	RS-150-48	+48V @ 0-3.3A	158.4W	7.8x3.9x1.5	200	0.5	0.5	1	UL/CUL/TUV/CE/CB	31.95	28.95
202068	Mean Well	SP-200-48	+48V @ 0-4.2A	201.6W	7.0x3.9x2.0	250	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	53.95	48.95
2102481	Mean Well	SP-240-48	+48V @ 0-5A	240W	7.5x3.7x2.0	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	54.95	49.95
207191	Mean Well	S-320-48	+48V @ 0-6.5A	312W	8.5x4.5x2.0	240	0.5	0.5	2	UL/CUL	69.95	64.95
244770	Mean Well	SP-320-48	+48V @ 0-6.7A	321.6W	8.5x4.5x2.0	240	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	66.95	59.95
2102326	Mean Well	HRP-300-48	+48V @ 0-7.0A	336W	7.8x4.1x1.6	250	0.5	0.2	5	UL/CUL/TUV/CE/CB	104.95	94.95
2105164	Mean Well	SE-450-48	+48V @ 0-9.4A	451.2W	8.9x4.9x2.0	200	0.5	0.2	8	UL/CUL	76.95	69.95
301402	Mean Well	SP-480-48	+48V @ 0-11A	480W	10.9x5.0x1.7	240	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	144.95	129.95
161796	Mean Well	SP-500-48	+48V @ 0-10A	480W	6.7x4.7x3.7	300	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	159.95	144.95
295929	Mean Well	SE-600-48	+48V @ 0-12.5A	600W	9.7x5.0x2.5	200	0.5	0.5	8	UL/CUL	99.95	89.95
374249	Mean Well	PSP-600-48	+48V @ 0-12.5A	600W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	139.95	126.95
2101577	Mean Well	SE-1000-48	+48V @ 0-20.8A	998.4W	10.9x5.0x2.5	200	0.5	0.5	8	UL/CUL	204.95	184.95
1585725	Mean Well	RSP-1000-48	+48V @ 0-21.0A	1008W	11.6x5.0x1.6	150	0.5	0.5	5	UL/CUL/TUV/CE/CB	259.95	239.95
231722	Mean Well	PSP-1500-48	+48V @ 0-28.5A	1368W	10.9x5.1x7.5	200	0.5	0.2	5	UL/CUL/TUV/CE/CB/PFC	274.95	269.95
694954	Mean Well	RSP-1500-48	+48V @ 0-32.0A	1536W	10.9x5.0x3.3	200	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	369.95	339.95
2108921	Mean Well	RSP-3000-48	+48V @ 0-62.5A	3000W	10.9x7.0x2.5	200	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	524.95	474.95
Double Output												
323362	Mean Well	RD-35A	+5V @ 0.3-4A; +12V @ 0.2-1A	32W	3.9x3.2x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	\$20.95	\$18.95
323380	Mean Well	RD-35B	+5V @ 0.3-4A; +24V @ 0.2-1.3A	51.2W	3.9x3.2x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	20.95	18.95
323425	Mean Well	RD-50A	+5V @ 0.3-6A; +12V @ 0.3-3A	54W	3.9x3.8x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	23.95	21.49
323433	Mean Well	RD-50B	+5V @ 0.3-6A; +24V @ 0.2-2A	53.6W	3.9x3.8x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	23.95	21.49
123458	Mean Well	D-60A	+5V @ 0.3-4A; +12V @ 0.2-3A	56W	6.3x3.8x1.5	75	0.5	0.5	2	UL/CUL/TUV/CE/CB	27.95	24.95
123466	Mean Well	D-60B	+5V @ 0.3-3A; +24V @ 0.2-1.8A	58W	6.3x3.8x1.5	75	0.5	0.5	2	UL/CUL/TUV/CE/CB	27.95	24.95
323505	Mean Well	RD-65A	+5V @ 0.3-8A; +12V @ 0.2-4A	66W	5.1x3.9x1.5	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	26.95	23.95
323513	Mean Well	RD-65B	+5V @ 0.3-8A; +24V @ 0.2-3A	68W	5.1x3.9x1.5	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	26.95	23.95
323628	Mean Well	RD-85A	+5V @ 2.0-10A; +12V @ 0.3-5A	88W	6.3x3.8x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	37.95	33.49
132410	Mean Well	D-120A	+5V @ 2.0-12A; +12V @ 0.5-5A	120W	7.0x3.9x2.0	60	0.5	0.5	2	UL/CUL/TUV/CE/CB	44.95	39.95
132397	Mean Well	D-120B	+5V @ 2.0-6A; +24V @ 0.4-4A	126W	7.0x3.9x2.0	60	0.5	0.5	2	UL/CUL/TUV/CE/CB	44.95	39.95
323741	Mean Well	RD-125A	+5V @ 2.0-15A; +12V @ 0.5-10A	130.9W	7.8x3.9x1.5	80	3.0	1.0	1	UL/CUL/TUV/CE/CB	38.95	34.95
323759	Mean Well	RD-125B	+5V @ 2.0-10A; +24V @ 0.4-5A	133.4W	7.8x3.9x1.5	80	3.0	1.0	1	UL/CUL/TUV/CE/CB	38.95	34.95
2106124	Mean Well	RD-125-1224	+12V @ 1.0-3.7A; +24V @ 0.4-3.7A	133.2W	7.8x3.9x1.5	120	1.0	0.5	1	UL/CUL/TUV/CE/CB	38.95	34.95
Triple Output												
201989	Mean Well	T-40A	+5V @ 0.6-3A; +12V @ 0.2-2A; -5V @ 0.1-0.5A	41.5W	5.1x3.9x1.5	100	0.5	0.5	2	CSA/CE	\$26.95	\$23.95
201997	Mean Well	T-40B	+5V @ 0.6-3A; +12V @ 0.2-2A; -12V @ 0.1-0.5A	45W	5.1x3.9x1.5	100	0.5	0.5	2	CSA/CE	26.95	23.95
202009	Mean Well	T-40C	+5V @ 0.6-3A; +15V @ 0.2-1.5A; -15V @ 0.1-0.5A	45W	5.1x3.9x1.5	100	0.5	0.5	2	CSA/CE	26.95	23.95
323460	Mean Well	RT-50B	+5V @ 0.5-5A; +12V @ 0.2-2.5A; -12V @ 0.1-1A	50W	3.9x3.8x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	24.95	22.49
323468	Mean Well	RT-50C	+5V @ 0-5A; +15V @ 0.2-2A; -15V @ 0.1-1A	50W	3.9x3.8x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	24.95	22.49
323476	Mean Well	RT-50D	+5V @ 0.5-5A; +12V @ 0.1-1A; +24V @ 0.2-1.5A	51W	3.9x3.8x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	24.95	22.49
123482	Mean Well	T-60B	+5V @ 0.5-5A; +12V @ 0.2-2.5A; -12V @ 0-0.5A	61W	6.3x3.8x1.5	100	1.0	0.5	2	UL/CUL/TUV/CE/CB	29.95	26.95
123491	Mean Well	T-60C	+5V @ 0.5-5A; +15V @ 0.2-2A; -15V @ 0-0.5A	62.5W	6.3x3.8x1.5	100	1.0	0.5	2	UL/CUL/TUV/CE/CB	29.95	26.95
323540	Mean Well	RT-65B	+5V @ 0.5-8A; +12V @ 0.2-3.5A; -12V @ 0-1A	64.6W	5.1x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	28.95	25.95
323548	Mean Well	RT-65C	+5V @ 0.5-8A; +15V @ 0.2-3A; -15V @ 0-1A	65.5W	5.1x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	28.95	25.95
323555	Mean Well	RT-65D	+5V @ 0.5-8A; +12V @ 0.1-1A; +24V @ 0.2-2A	68W	5.1x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	28.95	25.95
323767	Mean Well	RT-125A	+5V @ 2-15A; +12V @ 0.5-6A; -5V @ 0.1-1A	131W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	39.95	36.95

* Primary Output † Additional info on page 108

* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



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Enclosed Switching AC-to-DC Power Supplies (Continued)



RQ-65

★ Web Code: EPS

Part No.	Manufacturer	Mfr. Part No.	Output		Size (L"xW"xH")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Additional Info (Pg 108)†	Certification	Pricing	
			Voltage @ Current (min-max)	Power							1	5
Triple Output (Continued)												
323775	Mean Well	RT-125B	+5V @ 2-15A; +12V @ 0.5-6A; -12V @ 0.1-1A	132W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	\$39.95	\$36.95
323783	Mean Well	RT-125C	+5V @ 2-15A; +15V @ 0.5-6A; -15V @ 0.1-1A	132.5W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	39.95	36.95
323792	Mean Well	RT-125D	+5V @ 2-15A; +12V @ 0.1-2A; +24V @ 0.4-4A	136W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	39.95	36.95
Quad Output												
323484	Mean Well	RQ-50B	+5V @ 0.5-6A; +12V @ 0.2-1.5A; -5V @ 0-1A; -12V @ 0-1A	45.5W	3.9x3.8x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	\$26.95	\$23.95
323572	Mean Well	RQ-65D	+5V @ 0.5-8A; +12V @ 0.2-3A; +24V @ 0.1-1.5A; -12V @ 0-1A	68W	5.1x3.9x1.5	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	29.95	26.95
323695	Mean Well	RQ-85D	+5V @ 2-10A; +12V @ 0.3-4A; +24V @ 0.1-1.5A; -12V @ 0-1A	84W	6.3x3.8x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	39.95	36.95
132389	Mean Well	Q-120B	+5V @ 2-11A; +12V @ 0.5-4A; -5V @ 0.2-1A; -12V @ 0.2-1A	120W	7.0x3.9x2.0	80	0.5	0.5	2	UL/CUL/TUV/CE/CB	48.95	43.95
132371	Mean Well	Q-120D	+5V @ 2-8A; +12V @ 0.2-2A; +24V @ 0.2-2A; -12V @ 0.2-1A	124W	7.0x3.9x2.0	80	0.5	0.5	2	UL/CUL/TUV/CE/CB	48.95	43.95
323812	Mean Well	RQ-125D	+5V @ 2-12A; +12V @ 0.5-4A; +24V @ 0.1-2.5A; -12V @ 0-1A	124W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	44.95	39.95
213648	Mean Well	QP-150F	+5V @ 3-10A; +15V @ 0-3A; +24V @ 0.4-2A; -15V @ 0-0.6A	152W	7.8x3.9x1.5	120	2.0	1.0	3	UL/CUL/TUV/CE/CB/PFC	89.95	79.95
213752	Mean Well	QP-200D	+5V @ 3-15A; +12V @ 0-4A +24V @ 0.4-3A; -12V @ 0-0.7A	204.9W	7.8x3.9x2.0	100	2.0	1.0	3	UL/CUL/TUV/CE/CB/PFC	99.95	89.95
668764	Mean Well	QP-320D	+5V @ 2.5-20A; +12V @ 0-10A; +24V @ 0.2-5A; -12V @ 0.2-2A	316W	8.5x4.5x2.0	100	2.0	1.0	3	UL/CUL/TUV/CE/PFC	119.95	108.95

* Primary Output † Additional info on page 108

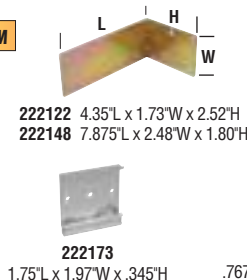


Mounting Brackets & Accessories for Mean Well Enclosed Switching AC-to-DC Power Supplies

All brackets use metric screws: 2-F3 x 6, 2-F4 x 6, 2-T3 x 6, 2-T4 x 6 and 8-T4 x 6 (not included)

★ Web Code: MBM

Part No.	Mfr. P/N	For Models	1	10
222122	DRL-01	S-25/40, RS-25/35	\$.99	\$.89
222148	DRL-03	S-240/320, SP-320	2.49	2.25
222173	DRP-03	All Models	1.49	1.25
222182	MHS012	S-320/350, SP-100/150/200/320	.49	.39
222199	MHS025	SP-500, PSP-600	.59	.49
248736	2094.0	DR, DRH, DRP, DRT, MDR	8.95	7.95



248736 (DIN Mounting Rail)
Length: 1 meter

Mating Connector	
103588	\$1.70/10 Spade Solderless Terminal
Crimp Tool	
72996	\$24.95 Solderless Terminal Crimp Tool
Pricing & specs on page 66	



Encapsulated Switching Power Supplies

PM-05 and PM-10 Series:

- Universal AC input (85-264VAC @ 47Hz)
- Short-circuit, overload, overvoltage protection
- Ultra-miniature size • UL/CUL/TUV/CE/CB
- Cooling by free air convection
- 100% full-load burn-in test
- Three-year warranty

Part No.	Manufacturer	Mfr. P/N	Output		Pins	Ripple & Noise (mVp-p)	Load Reg (±%)	Line Reg (±%)	Size (L" x W" x H")	Pricing	
			Volt. @ Curr. (min-max)	Pwr (W)						1	5
1954551	Mean Well	PM-10-12	+12V @ 0-0.85A	10.2	4	150	1.0	0.5	2.8 x 2.0 x 0.9	\$10.95	\$9.95
1954535	Mean Well	PM-05-24	+24V @ 0-0.23A	5.52	4	240	0.5	0.5	2.5 x 2.0 x 0.8	10.95	9.95
1954560	Mean Well	PM-10-24	+24V @ 0-0.42A	10.1	4	240	0.5	0.5	2.8 x 2.0 x 0.9	10.95	9.95

PM-05



★ Web Code: ESP

BEST SELLING – ENCLOSED SWITCHING POWER SUPPLIES

Part No.	Mfr. Part No.	Output	Price
323460	RT-50B	5V@0.5-5A; 12V@0.2-2.5A; -12V@0.1-1A	\$24.95
123482	T-60B	5V@0.5-5A; 12V@0.2-2.5A; -12V@0-0.5A	29.95



RT-50



RQ-65

Part No.	Mfr. Part No.	Output	Price
323572	RQ-65D	5V@0.5-8A; 12V@0.2-3A; 24V@0.1-1.5A; -12V@0-1A	\$29.95
213752	QP-200D	5V@3-15A; 12V@0-4A 24V@0.4-3A; -12V@0-0.7A	99.95

See page 111 for complete specifications

See above for complete specifications

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



LED Enclosed Power Supplies



For Indoor and Outdoor Applications

- Suitable for LED lighting & moving sign application
- Short-circuit/overload/overvoltage/overtemperature protection
- 100% full-load burn-in test
- Universal AC input/full range
- Cooling by free air convection
- UL1310 class 2 power unit

LPC/LPV/ELN/PLN Series

- Working temperature: -30°C to 50°C
- Plastic case
- Inrush current: 40A/230VAC
- Constant voltage and current
- Two-year warranty

CLG Series

- Metal case
- Working temperature: -30°C to 70°C
- Adjustable voltage and current
- Inrush current: 40A/230VAC
- Built-in active PFC function
- Three-year warranty

HLG Series

- Metal case
- Working temperature: -30°C to 60°C
- Adjustable voltage and constant current
- Inrush current: 75A/230VAC
- Built-in active PFC function
- Three-year warranty

PLP Series

- Open frame
- Working temperature: -30°C to 70°C
- Output current level adjustable
- Inrush current: 42A/230VAC
- Built-in PFC function
- Two-year warranty

PLC Series

- Plastic case
- Working temperature: -30°C to 50°C
- Adjustable voltage and current
- Inrush current: 40A/230VAC
- Built-in constant current limiting circuit
- Two-year warranty

PLN Series

CLG Series

* Web Code: LPP

Part No.	Manufacturer	Mir. Part No.	Output		Input Voltage (VAC @ Hz)	Size (L" x W" x H")	Load Enclosure Rating	Line Reg. (±%) *	Reg. (±%) *	Certification	Pricing	
			Voltage @ Current (min-max)	Power (W)							1	5
2103222	Mean Well	LPV-20-5	+5V @ 0-3A	15	90-264 @ 47-63	4.6 x 1.4 x 1.0	IP67	2.0	1.0	UL/CUL/TUV/CSA/CE	\$11.95	\$10.95
2101315	Mean Well	LPC-60-1400	+9-42V @ 1.4A	58.8	90-264 @ 47-63	6.4 x 1.7 x 1.3	IP67	2.0	1.0	UL/CUL/TUV/CE	21.95	19.95
2101307	Mean Well	LPC-35-700	+9-48V @ 0.7A	33.6	90-264 @ 47-63	5.8 x 1.6 x 1.2	IP67	2.0	1.0	UL/TUV/CE	18.95	16.95
2120233	Advance	LED120A0012V10F	+12V @ 1A	12	120 @ 50-60	5.2 x 1.3 x 1.0	IP66	5.0	1.0	UL/CUL	12.95	11.49
2102596	Mean Well	LPV-20-12	+12V @ 0-1.67A	20	90-264 @ 47-63	4.6 x 1.4 x 1.0	IP67	2.0	1.0	UL/CUL/TUV/CSA/CE	11.95	10.95
1954404	Mean Well	PLN-30-12	+12V @ 0-2.5A	30	90-295 @ 47-63	5.7 x 1.9 x 1.2	IP64	5.0	3.0	UL/CUL/TUV/CE	27.95	24.95
2103142	Mean Well	LPV-35-12	+12V @ 0-3A	36	90-264 @ 47-63	5.8 x 1.6 x 1.2	IP67	2.0	1.0	UL/CUL/TUV/CSA/CE	18.49	16.49
2122976	Mean Well	PLN-45-12	+12V @ 0-3.8A	45.6	90-295 @ 47-63	7.1 x 2.4 x 1.3	IP64	5.0	3.0	UL/CUL/TUV/CE/PFC	37.95	33.95
2103169	Mean Well	LPV-60-12	+12V @ 0-5A	60	90-264 @ 47-63	6.4 x 1.7 x 1.3	IP67	2.0	1.0	UL/CUL/TUV/CSA/CE	20.95	19.49
2105308	Mean Well	ELN-60-12 §	+12V @ 0-5A	60	90-264 @ 47-63	7.1 x 2.4 x 1.4	IP64	2.0	1.0	UL/CUL/TUV/CSA/CE	26.95	23.95
1918913	Mean Well	PLN-60-12	+12V @ 0-5A	60	90-295 @ 47-63	7.1 x 2.4 x 1.4	IP64	5.0	3.0	UL/CUL/TUV/CE/PFC	41.95	37.95
1918921	Mean Well	CLG-60-12	+12V @ 0-5A	60	90-295 @ 47-63	7.7 x 2.4 x 1.5	IP67	5.0	3.0	UL/CUL/TUV/CE	53.95	47.95
1585805	Mean Well	CLG-100-12	+12V @ 5A	60	90-264 @ 47-63	8.7 x 2.7 x 1.5	IP67	2.0	1.0	UL/CUL/TUV/CSA/CE/PFC	69.95	62.95
2148105	Mean Well	HLG-120H-12B	+12V @ 10A	120	90-305 @ 47-63	8.7 x 2.7 x 1.5	IP67	2.0	0.5	UL/CUL/TUV/CE/PFC	74.95	68.95
1954877	Mean Well	CLG-150-12A	+12V @ 0-11A	132	90-295 @ 47-63	8.7 x 2.7 x 1.5	IP65	1.0	0.5	UL/TUV/CE	74.95	67.95
2108699	Mean Well	CLG-150-12 §	+12V @ 11A	132	90-295 @ 47-63	8.7 x 2.7 x 1.5	IP67	1.0	0.5	UL/CUL/TUV/CE/PFC	74.95	67.95
2141780	Mean Well	HLG-320H-12A	+12V @ 22A	264	90-305 @ 47-63	9.9 x 3.5 x 1.7	IP65	2.0	0.5	UL/CUL/TUV/CB/CE/PFC	129.95	119.95
2102609	Mean Well	LPV-20-15	+15V @ 0-1.33A	20	90-264 @ 47-63	4.6 x 1.4 x 1.0	IP67	2.0	1.0	UL/TUV/CE	11.95	10.95
1919001	Mean Well	CLG-60-15	+15V @ 0-4A	60	90-295 @ 47-63	6.8 x 2.4 x 1.5	IP67	5.0	3.0	UL/CUL/TUV/CE	53.95	47.95
1585856	Mean Well	CLG-100-15	+15V @ 0-5A	75	90-295 @ 47-63	8.7 x 2.7 x 1.5	IP67	2.0	1.0	UL/CUL/TUV/CE/PFC	69.95	62.95
2102799	Mean Well	LPV-35-24	+24V @ 0-1.5A	36	90-264 @ 47-63	5.8 x 1.6 x 1.2	IP67	2.0	1.0	UL/CUL/TUV/CE	18.49	16.49
2102801	Mean Well	LPV-60-24	+24V @ 0-2.5A	60	90-264 @ 47-63	6.4 x 1.7 x 1.3	IP67	2.0	1.0	UL/CUL/TUV/CE	20.95	19.49
2104840	Mean Well	PLP-60-24 †	+24V @ 0-2.5A	60	90-264 @ 47-63	4.0 x 2.0 x 1.2	—	5.0	3.0	TUV/CB/CE	20.95	18.95
2105252	Mean Well	ELN-60-24	+24V @ 2.5A	60	90-264 @ 47-63	7.1 x 2.4 x 1.4	IP64	2.0	1.0	UL/CUL/TUV/CSA/CE	26.95	23.95
1919027	Mean Well	CLG-60-24	+24V @ 0-2.5A	60	90-295 @ 47-63	7.7 x 2.4 x 1.5	IP67	5.0	3.0	UL/CUL/TUV/CE	53.95	47.95
2103871	Mean Well	PLC-100-24	+24V @ 0-4A	96	90-264 @ 47-63	7.9 x 2.7 x 1.4	—	2.0	1.0	UL/CUL/TUV/CSA/CE/PFC	49.95	44.95
1585872	Mean Well	CLG-100-24	+24V @ 0-4A	96	90-295 @ 47-63	8.7 x 2.7 x 1.5	IP67	2.0	1.0	UL/CUL/TUV/CE/PFC	69.95	62.95
1954885	Mean Well	CLG-150-24A	+24V @ 0-6.3A	150	90-295 @ 47-63	8.7 x 2.7 x 1.5	IP65	1.0	0.5	UL/TUV/CE	74.95	67.95
2102174	Mean Well	HLG-240H-24A	+24V @ 10A	240	90-305 @ 47-63	9.6 x 2.7 x 1.5	IP65	0.5	0.5	UL/CUL/TUV/CE/PFC	92.95	84.95
2115127	Mean Well	HLG-240H-24B	+24V @ 10A	240	90-305 @ 47-63	9.6 x 2.7 x 1.5	IP67	0.5	0.5	UL/CUL/TUV/CE/PFC	92.95	84.95
2147903	Mean Well	HLG-320H-24	+24V @ 13.3A	320	90-305 @ 47-63	9.9 x 3.5 x 1.7	IP67	0.5	0.5	UL/CUL/TUV/CB/CE/PFC	129.95	119.95
2105261	Mean Well	ELN-60-27 §	+27V @ 0-2.3A	62.1	90-264 @ 47-63	7.1 x 2.4 x 1.4	IP64	2.0	1.0	UL/CUL/TUV/CSA/CE	26.95	23.95
2100574	Mean Well	PLN-60-27	+27V @ 0-2.3A	62.1	90-295 @ 47-63	7.1 x 2.4 x 1.4	IP64	5.0	3.0	UL/CUS/TUV/CE/PFC	41.95	37.95
2102051	Mean Well	CLG-150-30B **	+30V @ 5A	150	90-295 @ 47-63	8.7 x 2.7 x 1.5	IP67	0.5	0.5	UL/TUV/CE/PFC	74.95	67.95
2101121	Mean Well	LPC-20-350	+48V @ 0-0.35A	16.8	90-264 @ 47-63	4.6 x 1.4 x 1.0	IP67	2.0	1.0	UL/CUL	12.95	11.49
2100591	Mean Well	PLN-60-48	+48V @ 0-1.3A	62.5	90-295 @ 47-63	7.1 x 2.4 x 1.4	IP64	5.0	3.0	UL/CUL/TUV/CSA/CE/PFC	41.95	37.95

* Primary Output ** Dimmable † Open frame § Dimmable options

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DIN-Rail Switching Power Supplies

★ Web Code: RBY

- Short-circuit, overload, overvoltage protection
- Low cost, high reliability
- 100% full-load burn-in test
- For DIN mounting rail, see page 65

UL-508

- For DIN-Rail terminal blocks see pg 65
- Universal AC input range
- Soft-start circuit, limiting AC surge current



373182 (Fig. 1)



1943300 (Fig. 2)
Rail not included



192699 (Fig. 3)



1943393 (Fig. 4)



1943481 (Fig. 5)



212291 (Fig. 6)



212274 (Fig. 7)



2081086 (Fig. 8)
Rail not included



2100873 (Fig. 9)
Rail not included



221892 (Fig. 10)



252663 (Fig. 11)



2094944 (Fig. 12)
Rail not included

Part No.	Mfr. Part No.	Fig.	Output Volts @ Curr.	Pwr (W)	Input Voltage (VAC @ Hz/VDC)	Input Current @ Max Load	Size (L" x W" x H")	Wt. (lbs.)	Certification	1	5
2101243	DR-15-5R	9	5VDC @ 2.4A	12	85-264 @ 47-63/120-370	0.88A(115V)/0.48A(230V)	1.0 x 3.7 x 2.2	0.2	UL/CUL/TUV/CE	\$14.95	\$13.49
373174	DR-30-5R	1	5VDC @ 3A	15	85-264 @ 47-63/120-370	1.1A(115V)/0.6A(230V)	3.1 x 3.7 x 2.2	0.6	UL/CUL/TUV/CE	18.95	16.95
1943300	MDR-20-5R	2	5VDC @ 3A	15	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	UL/CUL/TUV/CE	18.95	16.95
212303	DR-4505R	3	5VDC @ 5A	25	85-264 @ 47-63/120-370	1.5A(115V)/0.75A(230V)	3.0 x 2.6 x 3.6	0.9	UL/CUL/TUV/CE	21.95	19.95
1943393	MDR-40-5R	4	5VDC @ 6A	30	85-264 @ 47-63/120-370	1.1A(115V)/0.7A(230V)	3.9 x 1.6 x 3.5	0.6	UL/CUL/TUV/CE	24.95	22.49
1943449	MDR-60-5R	4	5VDC @ 10A	50	85-264 @ 47-63/120-370	1.8A(115V)/1.0A(230V)	3.9 x 1.6 x 3.5	0.7	UL/CUL/TUV/CE	28.95	25.95
1952978	MDR-10-12R	2	12VDC @ 0.84A	10	85-264 @ 47-63/120-370	0.33A(115V)/0.21A(230V)	3.9 x 0.9 x 3.5	0.4	UL/CUL/TUV/CE	15.95	14.49
2094952	DR-15-12R	9	12VDC @ 1.25A	15	85-264 @ 47-63/120-370	0.88A(115V)/0.48A(230V)	3.7 x 1.0 x 2.2	0.2	UL/CUL/TUV/CE	14.95	13.49
1943334	MDR-20-12R	2	12VDC @ 1.67A	20	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	UL/CUL/TUV/CE	18.95	16.95
373182	DR-30-12R	1	12VDC @ 2A	24	85-264 @ 47-63/120-370	1.1A(115V)/0.6A(230V)	3.1 x 3.7 x 2.2	0.6	UL/CUL/TUV/CE	18.95	16.95
1943406	MDR-40-12R	4	12VDC @ 3.33A	40	85-264 @ 47-63/120-370	1.1A(115V)/0.7A(230V)	3.9 x 1.6 x 3.5	0.6	UL/CUL/TUV/CE	24.95	22.49
192699	DR-4512R	3	12VDC @ 3.5A	42	85-264 @ 47-63/120-370	1.5A(115V)/0.75A(230V)	3.0 x 2.6 x 3.6	0.7	UL/CUL/TUV/CE	21.95	19.95
373230	DR-60-12R	1	12VDC @ 4.5A	54	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	UL/CUL/TUV/CE	26.95	24.49
1943457	MDR-60-12R	4	12VDC @ 5A	60	85-264 @ 47-63/120-370	1.8A(115V)/1.0A(230V)	3.9 x 1.6 x 3.5	0.7	UL/CUL/TUV/CE	28.95	25.95
212291	DR-75-12R	6	12VDC @ 6.3A	75	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	UL/CUL/TUV/CE	39.95	36.95
1943511	DR-100-12R	1	12VDC @ 7.5A	90	85-264 @ 47-63/124-370	3.0A(115V)/1.6A(230V)	3.9 x 3.7 x 2.2	0.8	UL/CUL/TUV/CE	38.95	34.95
1943481	MDR-100-12R	5	12VDC @ 7.5A	90	85-264 @ 47-63/120-370	1.3A(155V)/0.8A(230V)	3.9 x 2.2 x 3.5	0.9	UL/CUL/TUV/CE	46.95	42.95
212274	DR-120-12R	7	12VDC @ 10A	120	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	UL/CUL/TUV/CE	46.95	41.95
2099366	SDR-120-12R	8	12VDC @ 10A	120	88-264/124-370 @ 47-63	1.4A(115V)/0.7A(230V)	4.5 x 1.6 x 4.9	1.5	UL/CUL/TUV/CE	72.95	66.49
1943342	MDR-20-15R	2	15VDC @ 1.24A	20	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	UL/CUL/TUV/CE	18.95	16.95
373238	DR-60-15R	1	15VDC @ 4A	60	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	UL/CUL/TUV/CE	26.95	24.49
1952986	MDR-10-24R	2	24VDC @ 0.42A	10	85-264 @ 47-63/120-370	0.33A(115V)/0.21A(230V)	3.9 x 0.9 x 3.5	0.4	UL/CUL/TUV/CE	15.95	14.49
2100873	DR-15-24R	9	24VDC @ 0.63A	15.2	85-264 @ 47-63/120-370	0.88A(115V)/0.48A(230V)	2.2 x 1.0 x 3.7	0.2	UL/CUL/TUV/CE	14.95	13.49
1943385	MDR-20-24R	2	24VDC @ 1A	24	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	UL/CUL/TUV/CE	18.95	16.95
373203	DR-30-24R	1	24VDC @ 1.5A	36	85-264 @ 47-63/120-370	1.1A(115V)/0.6A(230V)	3.1 x 3.7 x 2.2	0.6	UL/CUL/TUV/CE	18.95	16.95
1943422	MDR-40-24R	4	24VDC @ 1.7A	40.8	85-264 @ 47-63/120-370	1.1A(115V)/0.7A(230V)	3.9 x 1.6 x 3.5	0.6	UL/CUL/TUV/CE	24.95	22.49
192681	DR-4524R	3	24VDC @ 2A	48	85-264 @ 47-63/120-370	1.5A(115V)/0.75A(230V)	3.0 x 2.6 x 3.6	0.7	UL/CUL/TUV/CE	21.95	19.95
373246	DR-60-24R	1	24VDC @ 2.5A	60	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	UL/CUL/TUV/CE	26.95	24.49
1943465	MDR-60-24R	4	24VDC @ 2.5A	60	85-264 @ 47-63/120-370	1.8A(115V)/1.0A(230V)	3.9 x 1.6 x 3.5	0.7	UL/CUL/TUV/CE	28.95	25.95
212282	DR-75-24R	6	24VDC @ 3.2A	75	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	UL/CUL/TUV/CE	39.95	36.95
1943490	MDR-100-24R	5	24VDC @ 4A	90	85-264 @ 47-63/120-370	1.3A(155V)/0.8A(230V)	3.9 x 2.2 x 3.5	0.9	UL/CUL/TUV/CE	46.95	42.95
1943537	DR-100-24R	1	24VDC @ 4.2A	100	88-264 @ 47-63/124-370	3.0A(115V)/1.6A(230V)	2.2 x 3.9 x 3.7	0.8	UL/CUL/TUV/CE	38.95	34.95
212266	DR-120-24R	7	24VDC @ 5A	120	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	UL/CUL/TUV/CE	46.95	41.95
1953727	DRH-120-24R	7	24VDC @ 5A	120	340-550 @ 47-63/480-780	0.65A(400V)/0.6A(500V)	3.9 x 2.6 x 4.9	1.7	UL/CE	66.95	59.95
2099374	SDR-120-24R	8	24VDC @ 5A	120	88-264/124-370 @ 47-63	1.4A(115V)/0.7A(230V)	4.5 x 1.6 x 4.9	1.5	UL/CUL/TUV/CE	72.95	66.49
221892	DRP-240-24R	10	24VDC @ 10A	240	85-264 @ 47-63/120-370	2.8A(115V)/1.4A(230V)	3.9 x 4.9 x 4.9	2.4	UL/CUL/TUV/CE	74.95	66.95
373123	DRT-240-24R	10	24VDC @ 10A	240	3-phase 340-550 @ 47-63/480-780	0.95A(400V)/0.75A(500V)	3.9 x 4.9 x 4.9	2.9	UL/CUL/TUV/CE	89.95	81.95
2081086	SDR-240-24R	8	24VDC @ 10A	240	88-264 @ 47-63/124-370	2.6A(115V)/1.3A(230V)	2.5 x 4.9 x 4.5	2.5	UL/CUL/TUV/CE	114.95	104.95
252663	DRP-480-24R	11	24VDC @ 20A	480	180-264 @ 47-63/250-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	UL/CUL/TUV/CE	119.95	109.95
295938	DRP-480S-24R	11	24VDC @ 20A	480	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	UL/CUL/TUV/CE	124.95	114.95
372577	DRT-480-24R	11	24VDC @ 20A	480	3-phase 340-550 @ 47-63/480-780	1.7A(400V)/1.3(500V)	8.9 x 5.0 x 3.9	5.5	UL/CUL/TUV/CE	124.95	114.95
2094944	SDR-480-24R	12	24VDC @ 20A	480	88-264 @ 47-63/124-370	2.6A(115V)/1.3A(230V)	4.9 x 3.4 x 5.0	4.9	UL/CUL/TUV/CE	184.95	164.95
373131	DRT-960-24R	11	24VDC @ 40A	960	340-550 @ 47-63	2A(400V)/1.6A(500V)	10.9 x 3.9 x 4.9	7.3	UL/CUL/TUV/CE	249.95	229.95
1943473	MDR-60-48R	4	48VDC @ 1.25A	60	85-264 @ 47-63/120-370	1.8A(115V)/1.0A(230V)	3.9 x 1.6 x 3.5	0.7	UL/CUL/TUV/CE	28.95	25.95
221904	DR-120-48R	7	48VDC @ 2.5A	120	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	UL/CUL/TUV/CE	46.95	41.95
1953735	DRH-120-48R	7	48VDC @ 2.5A	120	340-550 @ 47-63/480-780	0.65A(400V)/0.6A(500V)	3.9 x 2.6 x 4.9	1.7	UL/CE	29.95	27.95
221883	DRP-240-48R	10	48VDC @ 5A	240	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	UL/CUL/TUV/CE	74.95	66.95
2094936	SDR-240-48R	8	48VDC @ 5A	240	88-264 @ 47-63/120-370	2.6A(115V)/1.3A(230V)	2.5 x 4.9 x 4.5	2.5	UL/CUL/TUV/CE	114.95	104.95
252655	DRP-480-48R	11	48VDC @ 10A	480	180-264 @ 47-63/250-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	UL/CUL/TUV/CE	119.95	109.95
301306	DRP-480S-48R	11	48VDC @ 10A	480	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	UL/CUL/TUV/CE	124.95	114.95

* Switch selectable † With Power Factor Correction



40A DC DIN-Rail UPS Module

★ Web Code: MBM

Part No.	Mfr. Part No.	Description	DC Input/DC BUS	Output Voltage @ Current	Charge Current	Certification	1	5
2103273	DR-UPS40R	Battery controller for UPS	24-29V @ 40A	21-29VDC @ 0-40A	2A	CE	\$46.95	\$41.95



Rail not included


RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Jameco carries the full line of Mean Well Power products. For additional products visit www.Jameco.com/meanwellproducts

JAMECO ValuePro

Dual Adj. Regulated Power Supply Kit

- Adjustable positive/negative supplies ± 5 to ± 15 VDC, 175mA-750mA per supply
- LED on indicator • 48-piece kit
- PC board construction
- Difficulty level: intermediate • 120VAC input
- Size: 5.1"L x 3.5"W x 2.0"H • Weight: 2.1 lbs.




Part No.	Cross Ref. No.	1	5
20626	JE215	\$26.95	\$24.95

200-WATT ENCLOSED POWER SUPPLY

GlobTek®

- Single Output, 12VDC @ 16.7A
- Input Voltage 85-264 @ 47-63Hz
- ROHS Compliant
- Overload Protection
- Overvoltage Protection
- UL/CUL/TUV/CE
- Power Factor Correction
- Size: 7.8" x 3.9" x 2.0"



Part No.	Mr. Part No.	1	5	25
2138839	SP-200-12GL(R)	\$24.95	\$21.95	\$17.95

Complete product listing, see page 109

TOP SELLING EXTERNAL POWER SUPPLIES

- 3-Wire AC Input
- Regulated Switching Table Top
- Single Output
- Level V Efficiency
- Industry Leading Prices
- Use Power Cord 38050

JAMECO ReliaPro

Part No.	Output Voltage/Current	1	5	25
2172771	12VDC/5A	\$19.95	\$17.95	\$15.49
2172789	24VDC/1.25A	15.49	14.95	14.49
2172797	24VDC/3.75A	32.95	29.95	26.49

Complete product listing, see page 99

MW **15 to 960-Watt Enclosed Converters** **Performance at Value Prices**

- 2:1 wide input range
- 100% burn-in test
- Working temp.: -10°C to +60°C
- Protection: short-circuit, overload and overvoltage

SD-15 Series • Built-in EMI filter, low ripple noise • One-year warranty


SD-25/SD-50/SD-100/SD-150 Series • Isolation voltage: 1500VDC • Built-in EMI filter, low ripple noise • One-year warranty

SD-200/350 Series • Isolation volt.: 1500VDC • Cooling by free air convection • Fixed switching freq @ 83kHz • **SD-200:** One-year warranty; **SD-350:** Two-year warranty

SD-500 Series • Isolation voltage: 2000VAC • DC input active surge current limiting

- Wide 4:1 ~ 2:1 SC input range
- Forced air cooling by built-in DC fan w/ fan speed control function
- Three-year warranty


***Web Code: UBC**



Part No.	Mr. Part No.	Input Range	Output		Size (L" x W" x H")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Certification	Pricing	
			Voltage @ Current	Power (W)							1	5
1953778	SD-15A-5	9.2-18V	+5V @ 3.0A	15	3.1 x 2.0 x 1.1	5	0.5	0.5	100	CE	\$14.95	\$13.49
1953786	SD-15B-5	18-36V	+5V @ 3.0A	15	3.1 x 2.0 x 1.1	5	0.5	0.5	100	CE	14.95	13.49
175662	SD-25A-5	9-18V	+5V @ 5.0A	25	3.9 x 3.8 x 1.4	5	0.5	0.5	100	CE	22.95	20.95
212549	SD-50A-5	9-18V	+5V @ 10A	50	6.3 x 3.8 x 1.5	5	0.5	0.5	100	CE	28.95	25.95
1953882	SD-200B-5	19-36V	+5V @ 34A	170	8.5 x 4.5 x 2.0	9	0.5	1.0	100	CE	69.95	64.95
1953823	SD-15B-12	18-36V	+12V @ 1.25A	15	3.1 x 2.0 x 1.1	5	0.3	0.3	120	CE	14.95	13.49
1953840	SD-15C-12	36-72V	+12V @ 1.25A	15	3.1 x 2.0 x 1.1	5	0.3	0.3	120	CE	14.95	13.49
175805	SD-25A-12	9-18V	+12V @ 2.1A	25.2	3.9 x 3.8 x 1.4	5	0.3	0.3	120	CE	22.95	20.95
2107178	SD-25C-12	36-72V	+12V @ 2.1A	25.2	3.9 x 3.8 x 1.4	5	0.3	0.3	120	CE	22.95	20.95
1537483	SD-50A-12	9.2-18V	+12V @ 4.2A	50.1	6.3 x 3.8 x 1.5	5	0.3	0.3	120	CE	28.95	25.95
212531	SD-50B-12	19-36V	+12V @ 4.2A	50.4	6.3 x 3.8 x 1.5	5	0.3	0.3	120	CE	28.95	25.95
212506	SD-50C-12	36-72V	+12V @ 4.2A	50.4	6.3 x 3.8 x 1.5	5	0.3	0.3	120	CE	28.95	25.95
212469	SD-100C-12	36-72V	+12V @ 8.5A	102	7.8 x 3.9 x 1.5	7	0.3	0.3	120	CE	36.95	32.95
217270	SD-150B-12	19-36V	+12V @ 12.5A	150	7.8 x 4.3 x 2.0	7	0.5	0.5	120	CE	47.95	42.95
1953903	SD-200B-12	19-36V	+12V @ 16.7A	200.4	8.5 x 4.5 x 2.0	9	0.5	1.0	100	CE	81.95	74.95
1953920	SD-200C-12	36-72V	+12V @ 16.7A	200.4	8.5 x 4.5 x 2.0	9	0.5	1.0	120	CE	81.95	74.95
1953760	SD-200D-12	72-144V	+12V @ 16.7A	200.4	8.5 x 4.5 x 2.0	9	0.5	1.0	120	TUV/CE	81.95	74.95
1953962	SD-350B-12	19-36V	+12V @ 27.5A	330	8.5 x 4.5 x 2.0	9	0.3	1.0	120	CE	104.95	94.95
1954033	SD-500L-12	19-72V	+12V @ 40A	480	8.5 x 4.5 x 2.0	7	0.5	0.5	150	CE	144.95	129.95
175813	SD-25A-24	9-18V	+24V @ 1.1A	26.4	3.9 x 3.8 x 1.4	5	0.2	0.2	150	CE	22.95	20.95
2107186	SD-25C-24	36-72V	+24V @ 1.1A	26.4	3.9 x 3.8 x 1.4	5	0.2	0.2	150	CE	22.95	20.95
2107266	SD-50A-24	9.2-18V	+24V @ 2.1A	50.4	6.3 x 3.8 x 1.5	5	0.2	0.2	150	CE	28.95	25.95
212514	SD-50B-24	19-36V	+24V @ 2.1A	50.4	6.3 x 3.8 x 1.5	5	0.2	0.2	150	CE	28.95	25.95
2107039	SD-100C-24	36-72V	+24V @ 4.2A	100.8	7.8 x 3.9 x 1.6	7	0.2	0.2	150	CE	36.95	32.95
2107098	SD-150C-24	36-72V	+24V @ 6.3A	151.2	7.8 x 4.3 x 2.0	7	0.3	0.3	150	CE	47.95	42.95
2107119	SD-150D-24	72-144V	+24V @ 6.3A	151.2	7.8 x 4.3 x 2.0	7	0.3	0.3	150	TUV/CE	47.95	42.95
1953954	SD-200B-24	19-36V	+24V @ 8.4A	201.6	8.5 x 4.5 x 2.0	9	0.5	1.0	150	CE	81.95	74.95
1953743	SD-200C-24	36-72V	+24V @ 8.4A	201.6	8.5 x 4.5 x 2.0	9	0.5	1.0	150	UL/CE	81.95	74.95
1954009	SD-350C-24	36-72V	+24V @ 14.6A	350.4	8.5 x 4.5 x 2.0	9	0.2	1.0	150	CE	104.95	94.95
1953971	SD-350B-24	19-36V	+24V @ 14.6A	350.4	8.5 x 4.5 x 2.0	9	0.2	1.0	150	CE	104.95	94.95
1954025	SD-500L-24	19-72V	+24V @ 21A	504	8.5 x 4.5 x 2.0	7	0.5	0.5	150	TUV/CE	144.95	129.95
1953911	SD-200B-48	19-36V	+48V @ 4.2A	201.6	8.5 x 4.5 x 2.0	9	0.5	1.0	150	CE	81.95	74.95
1953989	SD-350B-48	19-36V	+48V @ 7.3A	350.4	8.5 x 4.5 x 2.0	9	0.3	1.0	120	CE	104.95	94.95

MW **Unregulated Encapsulated Converters** ***Web Code: SBH**

- Input range: 4.5-5.5V
- Ripple & noise: 100mV p-p
- Input filter: capacitor type
- Line & load regulation: $\pm 1.0\%$
- No external components needed
- 1000VDC isolation
- 100% burn-in test
- Protection: short-circuit
- One-year warranty
- Working temp.: -15°C to +60°C



Part No.	Mr. Part No.	Output		Size (L"xW"xH")	Pins	Pricing	
		Voltage@Current	Power			1	5
213226	SRS-0505	+5V @ 100mA	0.5W	.88 x .39 x .33	8	\$4.49	\$3.95
216831	SPR01L-12	+12V @ 84mA	1W	.77 x .28 x .40	4	4.95	4.49

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

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Encapsulated DC-to-DC Converters

★ Web Code: NAX

SCW03, SCW05, SCW08, SDM30, SKE10, SKA15, SKE15 & SLW05 Series

- 1000VDC I/O isolation
- Shield metal case
- Cooling by free air convection
- Short-circuit/overload protection
- 2:1 wide input range
- One-year warranty



SCW12 & DCW12 Series

- Short-circuit/overload protection
- 2:1 wide input voltage range
- 1500VDC I/O isolation
- Built-in remote on/off control
- Five sided shielded metal case
- Built-in EMI filter
- Two-year warranty

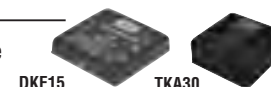


DCW03, DCW05, DCW08, DKE10, & DKE15 Series

- Shield metal case
- 2:1 wide input range
- 1000VDC I/O isolation
- Cooling by free air convection
- Short-circuit/overload protection
- One-year warranty

DKA30 & TKA30 Series

- Short-circuit/overload protection
- 1000VDC I/O isolation
- Remote on/off control
- Cooling by free air convection
- Six sided shielded metal case
- 2:1 wide input range
- One-year warranty



Part No.	Manufacturer	Mfr. Part No.	Input Range	Output		Size (L" x W" x H")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing		
				Voltage @ Current	Pwr (W)						Certification	1	5
Single Output													
213269	Mean Well	SCW03A-05	9-18V	+5V @ 0.6A	3	1.25 x 0.8 x 0.48	10	1.0	0.5	100	CE	\$9.95	\$8.95
216929	Mean Well	SLW05A-05	9-18V	+5V @ 1A	5	2.0 x 1.0 x 0.44	5	1.0	0.2	100	CE	12.95	11.95
216937	Mean Well	SLW05B-05	18-36V	+5V @ 1A	5	2.0 x 1.0 x 0.44	5	1.0	0.2	100	CE	12.95	11.95
1953313	Mean Well	SCW05B-05	18-36V	+5V @ 1A	5	1.25 x 0.8 x 0.48	8	0.5	0.5	50	CE	10.95	9.95
213234	Mean Well	SLW05C-05	36-72V	+5V @ 1A	5	2.0 x 1.0 x 0.44	5	1.0	0.2	100	CE	12.95	11.95
216962	Mean Well	SKE10A-05	9-18V	+5V @ 2A	10	2.0 x 1.0 x 0.44	5	0.3	1.0	50	CE	18.95	16.95
216953	Mean Well	SKE10B-05	18-36V	+5V @ 2A	10	2.0 x 1.0 x 0.44	5	0.3	0.5	50	CE	18.95	16.95
1953428	Mean Well	SCW12A-05	9-18V	+5V @ 2.4A	12	1.25 x 0.8 x 0.48	9	0.5	0.5	50	CE	18.49	16.49
155716	Mean Well	SKE15A-05	9-18V	+5V @ 3A	15	2.0 x 2.0 x 0.43	5	0.3	0.5	50	CE	18.95	16.95
1953495	Mean Well	SCW08A-12	9-18V	+12V @ 0.67A	8	1.25 x 0.8 x 0.48	8	0.5	0.5	60	CE	14.95	13.49
217024	Mean Well	SKE10B-12	18-36V	+12V @ 0.84A	10	2.0 x 1.0 x 0.44	5	0.3	0.5	60	CE	18.95	16.95
155708	Mean Well	SKE15A-12	9-18V	+12V @ 1.25A	15	2.0 x 2.0 x 0.43	5	0.3	0.5	60	CE	18.95	16.95
1953161	Mean Well	SKA15A-12	9-18V	+12V @ 1.25A	15	2.0 x 1.0 x 0.44	5	0.2	0.5	60	CE	19.95	17.95
217242	Mean Well	SDM30-24S12	18-36V	+12V @ 2.5A	30	2.0 x 2.0 x 0.63	8	1.0	1.0	100	CE	26.95	24.49
216980	Mean Well	SKE10A-15	9-18V	+15V @ 0.666A	10	2.0 x 1.0 x 0.44	5	0.3	1.0	60	CE	18.95	16.95
155695	Mean Well	SKE15A-24	9-18V	+24V @ 0.625A	15	2.0 x 2.0 x 0.43	5	0.3	0.5	80	CE	18.95	16.95
Double Output													
155919	Mean Well	DCW03A-05	9-18V	±5V @ 0.3A	3	1.25 x 0.8 x 0.48	10	1.0	0.5	100	CE	\$10.95	\$9.49
217032	Mean Well	DKE10A-05	9-18V	±5V @ 1A	10	2.0 x 1.0 x 0.44	5	0.3	0.5	50	CE	20.95	18.49
161702	Mean Well	DCW03A-12	9-18V	±12V @ 0.125A	3	1.25 x 0.8 x 0.48	10	1.0	0.5	100	CE	10.95	9.49
1953241	Mean Well	DCW05A-12	9-18V	±12V @ 0.23A	5.5	1.25 x 0.8 x 0.48	8	0.5	0.5	60	CE	11.95	10.95
1953356	Mean Well	DCW08A-12	9-18V	±12V @ 0.335A	8	1.25 x 0.8 x 0.48	8	0.5	0.5	60	CE	15.95	14.49
217092	Mean Well	DKE10A-12	9-18V	±12V @ 0.42A	10	2.0 x 1.0 x 0.44	5	0.3	0.5	60	CE	20.95	18.49
1953022	Mean Well	DCW12B-12	18-36V	±12V @ 0.5A	12	1.25 x 0.8 x 0.48	9	0.5	0.5	60	CE	18.95	16.95
1953364	Mean Well	DCW08A-15	9-18V	±15V @ 0.267A	8	1.25 x 0.8 x 0.48	8	0.5	0.5	60	CE	15.95	14.49
217112	Mean Well	DKE10A-15	9-18V	±15V @ 0.333A	10	2.0 x 1.0 x 0.44	5	0.3	0.5	60	CE	20.95	18.49
217075	Mean Well	DKE10B-15	18-36V	±15V @ 0.333A	10	2.0 x 1.0 x 0.44	5	0.3	0.5	60	CE	20.95	18.49
1954130	Mean Well	DKA30A-15	9-18V	±15V @ 1A	30	2.0 x 2.0 x 0.82	8	0.5	0.5	100	CE	28.95	25.95
213293	Mean Well	DKE15A-24	9-18V	±24V @ 0.313A	15	2.0 x 2.0 x 0.43	5	0.3	0.5	80	CE	20.95	18.95
Triple Output													
1953217	Mean Well	TKA30B-B	18-36V	+5V @ 3.5A; ±12V @ 0.31A	25	2.0 x 2.0 x 0.82	8	5.0	5.0	100	CE	\$30.95	\$27.95

BEST SELLING — ENCAPSULATED DC-TO-DC CONVERTERS

Part No.	Product No.	Output	Input	Price
216937	SLW05B-05	5V@1A	18-36V.....	\$12.95
155716	SKE15A-05	5V@3A	9-18V.....	18.95

See above for complete specifications



Part No.	Product No.	Output	Input	Price
155919	DCW03A-05	5V@3A	9-18V.....	\$10.95
217112	DKE10A-15	15V@3A	9-18V.....	20.95

See above for complete specifications

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Batteries & Rechargeable Battery Pack



Lithium, NiCd, NiMH, Li-Ion & LiFePO4 Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.



Lithium – Non-rechargeable

* Web Code: LBT

Part No.	Product No.	Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
673601	NBL621/F9DE	Panasonic	1	Coin cell	2	4.0	Vertical PC mount	0.27"Dia. x 0.10"Thick	\$.69	\$.59	\$.49
2158231	CR927	ReliaPro	2	Coin cell	3	30	Clock/memory/watch	0.37"Dia. x 0.10"Thick	.49	.45	.39
2123784	CR1220	Evergreen	2	Coin cell	3	40	Clock/memory/watch	0.49"Dia. x 0.77"Thick	.85	.75	.65
2119865	CR1632	Evergreen	2	Coin cell	3	120	Clock/memory/watch	0.63"Dia. x 0.13"Thick	1.19	1.09	.99
2167509	CR2025BP-2*	Energizer	2	Coin cell	3	162	Clock/memory/watch	0.79"Dia. x 0.99"Thick	2.75	2.49	2.25
11789	CR2325	ReliaPro	2	Coin cell	3	165	Clock/memory/watch	0.91"Dia. x 0.13"Thick	1.79	1.59	1.45
14162	CR2032	ReliaPro	2	Coin cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Thick	1.25	1.09	.99
2119216	CR2450	Evergreen	2	Coin cell	3	550	Clock/memory/watch	0.95"Dia. x 0.20"Thick	1.49	1.35	1.19
2133561	2CR2450	NewSun	3	Coin cell	3	1100	Dual coin cell w/ 3" wires	0.97"Dia. x 0.43"Thick	1.95	1.75	1.49
2132251	CR2450C	FDK	4	Coin cell	3	550	1-1/2" leads w/ connector (2)	0.96"Dia. x 0.20"Thick	.99	.89	.79
2119873	CR2	Evergreen	5	Cylinder	3	750	Consumer tip/digital camera	1.66"L x 0.61"Dia.	2.95	2.59	2.29
126754	TL5101S	Tadiran	5	1/2 AA	3.6	950	Macintosh®	0.95"L x 0.56"Dia.	4.95	4.49	4.09
33371	TL5101P	Tadiran	6	1/2 AA	3.6	950	Barrel w/ leads (clock/mem.)	0.93"L x 0.56"Dia.	6.25	5.65	4.95
263898	ER14250	ReliaPro	5	1/2 AA	3.6	1000	With axial leads	1.00"L x 0.55"Dia.	4.75	4.25	3.85
240266	ER14250	ReliaPro	5	1/2 AA	3.6	1000	Consumer tip	1.00"L x 0.55"Dia.	3.55	3.25	2.95
33398	TL5104P	Tadiran	7	AA	3.6	2100	Barrel w/ leads (clock/mem.)	1.88"L x 0.56"Dia.	6.95	6.25	5.65
146114	TL5104/S	Tadiran	8	AA	3.6	2100	Barrel pressure (clock/mem.)	1.91"L x 0.56"Dia.	6.95	6.25	5.65
240258	CR123A	ReliaPro	9	A	3	1300	Photo/computer	1.36"L x 0.65"Dia.	2.75	2.49	2.25

* Sold in multiple of 2



NiCd – Rechargeable

* Web Code: GCF

Part No.	Cross Ref.	Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
261657	AA-700-CT	ReliaPro	10	AA	1.2	700	Consumer tip	1.90"L x 0.55"Dia.	\$1.69	\$1.49	\$1.35
244515	AA-1000-CT	ReliaPro	10	AA	1.2	1000	Consumer tip	1.90"L x 0.55"Dia.	2.75	2.49	2.25
244574	SC-1500	ReliaPro	11	Sub-C	1.2	1500	Flat top	1.70"L x 0.89"Dia.	2.95	2.59	2.39



NiMH – Rechargeable

* Web Code: GCF

Part No.	Mfr. Part No.	Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
231095	AAA-750NM	Dantona	12	AAA	1.2	600	Consumer tip	1.70"L x 0.40"Dia.	\$3.45	\$3.09	\$2.79
231087	AA-1800NM	Dantona	13	AA	1.2	1800	Consumer tip	1.90"L x 0.55"Dia.	3.95	3.55	3.19
2162724	AA2500APZ	Powerizer	14	AA	1.2	2500	Consumer tip	1.90"L x 0.55"Dia.	2.95	2.75	2.49
2127777	AA-2500CT	Tenergy	14	AA	1.2	2500	Consumer tip	1.90"L x 0.55"Dia.	3.95	3.55	3.19
244620	10005	Tenergy	15	9V	8.4	200	Snaps	1.94"L x 0.65"Dia.	9.75	8.75	7.95
2162601	5560830312	Varta	16	N/A	3.6	70	2-lead (pin), barrel	0.72"L x 0.61"Dia.	4.25	3.75	3.39
2137473	NH60H3A2H	Evergreen	16	N/A	3.6	80	2-lead (pin), barrel	0.72"L x 0.61"Dia.	4.49	3.95	3.55
2129342	3H80BC	Evergreen	16	N/A	3.6	80	3-lead (pin), barrel	0.72"L x 0.61"Dia.	5.25	4.95	4.69



Li-Ion – Rechargeable

* Web Code: LII

Part No.	Mfr. Part No.	Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
2144286	30201	Tenergy	9	RCR123A	3.0	900	Consumer tip	1.26"L x 0.63"Dia.	\$4.75	\$4.49	\$4.25
2144243	30004	Tenergy	17	18650	3.7	2200	Flat top w/ internal PCB	2.56"L x 0.72"Dia.	7.95	7.49	6.95
2140349	30006	Tenergy	17	18650	3.7	2600	Flat top w/ internal PCB	2.56"L x 0.72"Dia.	9.95	9.49	8.95



LiFePO4 – Rechargeable

* Web Code: LIF

Part No.	Mfr. Part No.	Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
2144227	30225	Tenergy	8	14500 (AA)	3.2	400	Consumer tip	1.91"L x 0.56"Dia.	\$2.25	\$1.95	\$1.75
2144278	30200	Tenergy	9	RCR123A	3.2	900	Consumer tip	1.26"L x 0.63"Dia.	3.49	3.25	2.95
2144294	30207	Tenergy	18	Prismatic	3.2	10000	Tabs (2)	9.0"L x 3.2"W x 0.3"T	36.95	34.95	32.95



12V Lithium-Ion Rechargeable Battery Pack

High-powered, ultra-compact, covert battery pack with charger.
Provides the same power as larger batteries at a fraction of the size and weight.

Part No.	Volt	mAh	Connection	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
2129351	12V	4500	2.1mm female output, 2.1mm male input	3.0 x 2.0 x 0.75	5.2	\$59.95	\$54.95	\$49.95

- Charging adapter included
- On/Off switch
- LED indicators
- 18" power cord
- Input: 110-230VAC 50/60Hz
- Output: 12.6VDC, 350mA



* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

EVERGREEN DURACELL Evergreen, Energizer® & Duracell® Alkaline Batteries



* Web Code: NBF

Blowout Prices

Part No.	Size	1	10
2120153	9-volt Winco	\$1.25	\$1.09
198731	9-volt Energizer®	2.25	1.95
198791	9-volt Duracell® Procell®	2.95	2.65
215845	1.5V D-cell Energizer®	1.19	1.09

Part No.	Size	Min	1	12
2112461	9V, Super Alkaline Vinnic††	2	\$1.25	\$1.09
2112452	1.5V, D-cell Evergreen††	2	1.25	1.15
2112428	1.5V, C-cell Evergreen††	2	.95	.85
2158493	1.5V, AA Microbatt††*	2	.35	.29
2112444	1.5V, AA Evergreen†	4	.45	.39
2112436	1.5V, AAA Evergreen††	2	.49	.45

Part No.	Size	Min	1	40	100
198707	AA Energizer®†	4	\$.79	\$.69	\$.65
198715	AAA Energizer®†	4	.69	.59	.55

† Sold in multiples of 4 †† Sold in multiples of 2 * Cadmium

EVERGREEN Silver Oxide and Zinc Chloride Batteries

Applications:
personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.

* Web Code: XAB



Part No.	Cross Ref.	Description	1	10
2119831	S736S	Silver oxide, button, 1.55V, 34mAh ..	\$.75	\$.65
2119857	S1142S	Silver oxide, button, 1.55V, 116mAh	.89	.79
140783	357	Silver oxide, button, 1.55V, 175mAh	1.39	1.25
2119890	ER6MSG	Zinc chloride, 1.5V, AA	.59	.49
2119822	ER03MSG	Zinc chloride, 1.5V, AAA	.39	.35
151095	GF6F22	Zinc chloride, 9V	1.29	1.19

TENERGY Smart Balancing Battery Chargers

* Web Code: LAC

For NiMH / NiCd / Li-PO / LiFePO4 / SLA

- Protective circuitry to control charging process and auto power cut-off
- Built-in balancer automatically balances batteries during charging, ensuring full charge
- Advanced individual charging method can charge each cell individually and safely

Part No.	Mfr. Part No.	Compatible Chemistry	Compatible Battery Size	Output	1	5	25
2144315	01267	Li-Ion, Li-Po, LiFePO4	1S-4S battery packs w/ XH connector	3.6-16.8V @ 1A	\$26.95	\$23.95	\$21.95
2144235	01322	NiMH, NiCd, Li-Ion, LiFePO4, LiPo, SLA (Pb)	Octopus harness – HiTech, JST, Tamiya, Deans, Traxxas, and EC3 connectors	0.1-5A (50W max.)	89.95	79.95	74.95



7.4V LiPo BATTERY

- 2200mAh
- 20C cont. discharge
- Arduino-compatible
- 2.1mm DC power jack
- Can be recharged by 9V DC power supply

P/N 2167787 \$24.95

* Battery Chargers — Enter Web Code LAC

DANTONA Universal NiCd/NiMH Charger

- Fast charging in the specified period with an automatic switch for trickle charge
- Built-in IC timer control

Part No.	Mfr. Part No.	Compatible Battery	1	10	25
231132	CHG-6P	AAA, AA, C, D, 9V	\$22.95	\$19.95	\$17.95



MW 120-Watt Single Output Battery Charger

- Current detecting battery charger for lead-acid batteries
- Voltage range: 88-132VAC/176-264VAC (47-63Hz) selected by switch • Power: 118.7W; 27.6V @ 4.3A
- Short circuit, overload, overvoltage, overtemp. protection
- Output conn.: 3-pin male XLR, see pg 51 for mating connector
- 3 pole AC inlet with fuse holder • Two-year warranty
- Complete specifications on page 118

Part No.	Mfr. Part No.	Size (L" x W" x H")	Wt. (lbs.)	1	5
2102983	PB-120N-27C	7.09 x 3.78 x 1.93	2.4	\$44.95	\$39.95

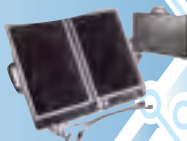


PORTABLE BRIEFCASE STYLE SOLAR PANEL ARRAY

- Powerful solar charger for 12V batteries
- Great for emergency backup power
- Waterproof
- 13 watts maximum
- Working Voltage: 17.5V
- Amorphous silicon type
- 17.4" x 20.1" x 1.6"
- Working Current: 750mA

Includes: Briefcase solar panel, cable, battery clip, cigarette lighter plug and socket

P/N 2137377 \$135.95



WELLER Compact Battery Tester

Simply lift the swivel arm of this battery between the contacts and it will provide you a voltage measurement of your batteries. Tests AAA, AA, C, 9V and button cell batteries.

Part No.	Mfr. Part No.	1	10
239556	BATTEST	\$3.95	\$3.49



Automatic Lead Acid Battery Charger

- Multi-stage charging circuit prevents batteries from overcharging
- High frequency MOSFET switching design
- Output voltage: 27VDC @ 15A
- Input voltage: 98 to 132VAC @ 50/60Hz
- High-efficiency, commercial grade and quiet operation

See page 120 for more Lead Acid Battery Chargers

Part No.	Mfr. Part No.	Size (L" x W" x H")	Wt. (lbs.)	1	10
673432	SEC-2415UL	10.8 x 8.4 x 3.3	6.4	\$239.95	\$215.95



13.5VDC @ 2.2A Switch Mode Battery Charger

- Input voltage: 100 to 240VAC @ 50-60Hz
- Output voltage: 13.5V @ 2.2A
- Output connector: 30" cable with 4-position (2 x 2 grid) Molex Mini-Fit Jr. 5559 series connector (39-01-2041)
- UL/CUL listed

Includes: 5' 3-prong mickey mouse type power cord

Part No.	Mfr. Part No.	Size (L" x W" x H")	1	10	25
2139006	3G-301DN13	7.09 x 3.78 x 1.93	\$7.95	\$6.95	\$5.95



RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

JAMECO ReliaPro Coin Cell, Single and Dual-Sided Battery Holders

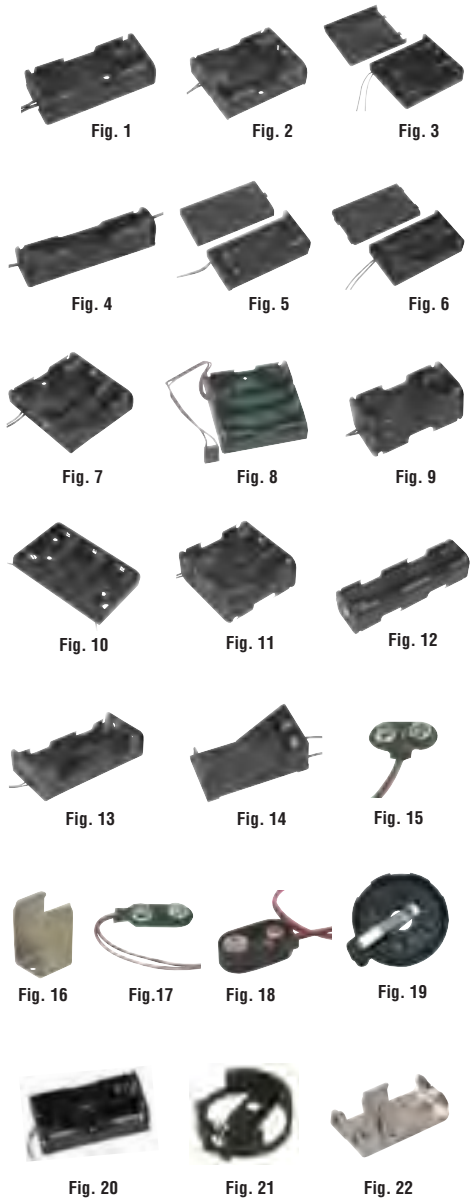
Eliminate battery mounting problems in portable DC power applications and products. These holders are made from special materials that maintain retention properties longer than conventional holders. They can come with leads, tabs or snaps.

★ Web Code: UAB

Part No.	Cross Ref. No.	*Mfr. Fig.	No. of Cells	Conn. (L")	Sides	Features *	1	10	100	500
216283	BH-421-1A	JRP 1	2-AAA	Wires, 5.5	Single	26 AWG	\$.59	\$.55	\$.49	\$.45
216292	SBH-421-AS	JRP 1	2-AAA	Wires, 5.5	Single	w/ cover&sw, 26 AWG	.79	.75	.69	.65
216303	BH-431-1A	JRP 2	3-AAA	Wires, 5.5	Single	26 AWG	.79	.69	.65	.59
216312	SBH-431-1AS	JRP 2	3-AAA	Wires, 6.0	Single	w/ cover&sw, 26 AWG	.95	.85	.75	.69
216339	SBH-441-AS	JRP 3	4-AAA	Wires, 5.5	Single	w/ cover&sw, 26 AWG	1.45	1.29	1.19	.89
216072	BH-311-2A	JRP 4	1-AA	Wires, 5.5	Single	26 AWG	1.05	.95	.85	.75
216081	BH-321-2A	JRP 1	2-AA	Wires, 5.5	Single	26 AWG	.75	.69	.59	.55
216099	BH-321-4A	JRP 1	2-AA	Wires, 5.5	Single	w/ mnt. tabs, 26 AWG	.75	.69	.59	.55
216102	SBH-321-2A	JRP 5	2-AA	Wires, 5.5	Single	w/ cover, 26 AWG	.75	.69	.59	.55
216120	SBH-321-1AS	JRP 5	2-AA	Wires, 5.5	Single	w/ cover&sw, 26 AWG	.89	.79	.72	.65
2151224	140	KEY 22	2-AA	Solder lugs	Single	Metal holder	1.49	1.25	.99	.89
216136	BH-331-A	JRP 2	3-AA	Wires, 5.5	Single	26 AWG	.85	.77	.69	.62
216144	SBH-331-AS	JRP 6	3-AA	Wires, 6.0	Single	w/ cover&sw, 26 AWG	.79	.69	.65	.59
216152	BH-341-2A	JRP 7	4-AA	Wires, 5.5	Single	26 AWG	1.15	1.05	.95	.85
105858	BH-PC- \$	JRP 8	4-AA	Wires, 5.5	Single	w/ conn., 26 AWG	.95	.85	.75	.65
2128083	BH-341-3B	JRP 7	4-AA	Snaps	Single	—	.69	.59	.49	.45
216179	BH-343-1A	JRP 9	4-AA	Wires, 5.5	Dual	26 AWG	.79	.69	.65	.59
216187	SBH-341-1AS	JRP 3	4-AA	Wires, 6.0	Single	w/ cover&sw, 26 AWG	1.05	.95	.85	.75
2095453	SBH-341-1A	JRP 3	4-AA	Wires, 5.5	Single	w/ cover, 26 AWG	.99	.89	.79	.69
216223	BH-364-A	JRP 10	6-AA	Wires, 5.5	Single	26 AWG	1.09	.95	.85	.75
216240	BH-383-A	JRP 11	8-AA	Wires, 5.5	Dual	26 AWG	1.09	.95	.85	.75
216267	BH-383-B	JRP 11	8-AA	Snaps	Dual	—	1.29	1.19	1.09	.95
216259	BH-382-B	JRP 12	8-AA	Snaps	Dual	—	1.35	1.19	1.09	.79
216347	BH-211-A	JRP 4	1-C	Wires, 5.5	Single	24 AWG	.65	.59	.55	.49
216363	BH-242-1A	JRP 13	4-C	Wires, 5.5	Single	24 AWG	1.09	.99	.89	.69
216371	BH-111-1A	JRP 4	1-D	Wires, 5.5	Single	26 AWG	.69	.65	.59	.49
216390	BH-121-1A	JRP 1	2-D	Wires, 5.5	Single	24 AWG	1.19	1.09	.95	.79
216401	BH-142-A	JRP 13	4-D	Wires, 5.5	Single	24 AWG	1.35	1.19	1.09	.89
2128067	SBH-9VAS	JRP 5	1-9V	Wires, 5.5	Single	w/ cover&sw, 26 AWG	1.39	1.25	1.09	.95
216427	BH-9V-A	JRP 14	1-9V	Wires, 5.5	Single	26 AWG	.75	.69	.59	.55
11280	A104-R	JRP 15	1-9V	Wires, 2.5	Single	26 AWG, snaps	.39	.35	.29	.25
105794	GBH-1009-R	JRP 16	1-9V	—	Single	Metal holder	.35	.32	.29	.25
1949488	BAT-SNAP-4	JRP 17	1-9V	Wires, 3.5	Single	26 AWG, snaps	.29	.26	.23	.19
109154	BC6-R	JRP 17	1-9V	Wires, 5.5	Single	26 AWG, snaps	.29	.26	.23	.19
216452	SBS-IR-1-R	JRP 18	1-9V	Wires, 5.5	Single	26 AWG, snaps	.35	.32	.29	.25
101470	A102-R	JRP 17	1-9V	Wires, 10.0	Single	26 AWG, snaps	.35	.32	.29	.25
2146231	BH-18650-2S	JRP 20	2-18650	Wires, 6.0	Single	26 AWG	1.95	1.75	1.59	1.45
355434	17002-00603	JRP 21	1-0.79" dia. max	PC mount	Coin cell	For 2032 battery	.79	.69	.65	.59
38543	2S2325	JRP 19	1-0.91" dia. max	PC mount	Coin cell	For 2354/2325	.79	.69	.65	.59
236996	103	KEY 19	1-0.91" dia. max	PC mount	Coin cell	For 2032 battery	1.65	1.49	1.35	1.19

\$ Battery holder used in many personal computers (1x4 pos. connector)

* SW = switch



Batteries

RE-USABLE PROTOTYPING COMPOUND

Build your invention now – without machine tools. Create super-strong custom parts, prototypes, molds, servo brackets, robot housings, sculptures, science projects, and more.

- Melts at 160°F • Safely hand moldable
- Becomes rigid at room temperature
- Non-toxic, light weight and paintable



SHAPELOCK

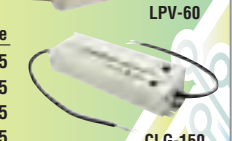
Part No.	Mfr. Part No.	Description	1	5
2112495	01-250	250 gram bag	\$14.95	\$13.49
2112508	01-500	500 gram bag	24.95	22.95

BEST SELLING - LED ENCLOSED POWER SUPPLIES

- Universal AC input (90-264 VAC)
- Suitable for indoor and outdoor applications
- Short circuit / Overload / Over Voltage protections
- UL/CE certified



Part No.	Mfr. Part No.	Page	Price
2103169	LPV-60-12	24	\$20.95
1954885	CLG-150-24A	113	74.95
1585805	CLG-100-12	113	69.95
1954877	CLG-150-12A	113	74.95



* JRP = Jameco ReliaPro | KEY = Keystone

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

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Lead Acid Batteries, Chargers & Data Loggers

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Lead Acid Batteries

- Use with UPS Backup Systems, Security Fire Alarms, Wheel Chairs, Scooters
- Sealed • UL approved • Rechargeable
- One-year manufacturer warranty



264014



264031



318924



264057



264065



264073



★ Web Code: LBR

Part No.	Mfr. Part No.	Nominal Voltage	Amp-Hrs.	Cross Reference				Terminal Size	Size (L" x W" x H")	Wt. (lbs.)	Pricing	
				Panasonic	YUASA	Eagle Picher	Tempest				1	10
2151996	TY-6-1.2	6	1.2	—	—	—	—	Quick connect 0.187"	3.8 x 1.0 x 2.1	0.7	\$7.95	\$6.95
264014	TY-6-4.5	6	4.5	LCR6VP	NP4-6	CF16V4	TR-4-6	Quick connect 0.187"	2.8 x 1.9 x 4.0	1.9	11.95	10.95
317024	LA-TY-6-12	6	12.0	—	—	—	—	Quick connect 0.187"	5.9 x 1.9 x 3.7	4.6	19.95	17.95
318844	LA-TY-12-1.2	12	1.2	—	—	—	—	Quick connect 0.187"	3.8 x 1.7 x 2.1	1.3	14.95	13.45
264031	TY-12-2.3	12	2.3	LCR12V2.2P	NP2.3-12	CF12V1.5	TR2.3-12	Quick connect 0.187"	7.0 x 1.3 x 2.4	2.1	19.95	17.95
318924	LA-TY-12-3.4	12	3.4	—	—	—	—	Quick connect 0.187"	5.3 x 2.7 x 2.4	3.1	21.95	19.95
264049	TY-12-5	12	5.0	—	—	—	—	Quick connect 0.187"	3.5 x 2.7 x 3.9	3.6	22.95	20.65
264057	TY-12-7.5	12	7.5	LCR12V7.2BP	NP712	CFM12V65	TR7.5-12	Quick connect 0.187"	5.9 x 2.6 x 3.7	5.6	24.95	22.49
264065	TY-12-12	12	12.0	PS12120	—	CFM12V12	TR12-12	Quick connect 0.187"	5.9 x 3.9 x 3.7	9.0	39.95	35.95
264073	TY-12-18	12	18.0	LCR12V17BP	NPG18-12	CF12V18	TR18-12	Quick connect 0.472"	7.1 x 3.0 x 6.6	13.3	49.95	44.95
318852	LA-TY-12-35	12	35.0	—	—	—	—	Nut & bolt	7.6 x 5.1 x 6.3	27.6	89.95	84.95



360 & 1000-Watt Single Output Lead Acid Battery Chargers

★ Web Code: LAC

- Input: 115VAC/230VAC @ 47-64Hz (switch-selectable)
- **1952417/1954332/1954341**: Built-in passive PFC function
- Overload, short-circuit, reverse polarity, over voltage, over temperature protection
- **1952417/1954308/1954316**: Fan on/off control (depending on charging current) • Charger for lead acid batteries
- **1954316**: Size: 10.0"L x 5.3"W x 1.9"H, Weight: 3.3 lbs.
- **1952417/1954308**: Size: 9.3"L x 5.3"W x 1.9"H, Weight: 3.3 lbs.
- **1954332/1954341**: Size: 11.8"L x 7.2"W x 2.8"H, Weight: 7.7 lbs.



1952417

Part No.	Mfr. Part No.	Watts	Boost Charge Voltage	Float Charge Voltage	Recommended Battery Capacity (AMP Hours)	Pricing	
						1	5
1952417	PB-360P-12	360	14.4	13.6	80-200	\$94.95	\$85.95
1954308	PB-360N-12	360	14.4	13.6	80-200	86.95	78.95
1954316	PB-360N-24	360	28.8	27.2	40-125	86.95	78.95
1954332	PB-1000-12	1000	14.4	13.8	200-600	299.95	269.95
1954341	PB-1000-24	1000	28.8	27.6	120-350	299.95	269.95



12V LiFePO4 Rechargeable Batteries

★ Web Code: LIF

- Drop-in replacements for Lead Acid batteries
- Last 5 times longer and half the weight of SLA
- Perfect for motorcycle starter, 12VDC power, medical equipment, LED light power supply, and solar power
- Works with existing charging systems. • 0.25" quick connect

2170281



Part No.	Mfr. Part No.	Amp-Hrs	Size (L" x W" x H")	1	10
2170281	LFP128045	4.5	3.5 x 2.7 x 4.2	\$69.95	\$64.95
2170290	LFP128075	7.5	5.9 x 2.6 x 3.9	119.95	113.95
2170302	LFP128100	10	5.9 x 3.9 x 3.9	149.95	142.95
2170311	LFP128120	12	5.9 x 3.9 x 3.9	169.95	159.95
2170329	LFP128198	19.8	7.1 x 3.0 x 6.5	279.95	264.95



Electronic Starter Kit

This kit includes everything you need to get started with electronics.

Includes one of each:

- 8 function 20K count DMM (P/N 318764, pg 122)
- 6.5" x 3.125" breadboard (P/N 20758, pg 143)
- Wire cutter (P/N 35482, pg 58)
- Wire stripper (P/N 127862, pg 132)
- Solder (P/N 170457, pg 141)
- Hook-up wire (P/N 126085, pg 45)
- 11-pc. precision screwdriver set (P/N 226094, pg 134)
- Jumper wire kit (P/N 2096018, pg 143) • Electrical tape (P/N 285587, pg 141)
- Soldering iron (P/N 129040, pg 136) and stand (P/N 36329, pg 136)
- Assorted capacitors (P/N 17911, pg 33) and resistors (P/N 134130, pg 33)



Part No.	Description	1	5
2099171	Electronic Starter Kit	\$109.95	\$99.95



USB Data Loggers

★ Web Code: DLG

- Measures and stores up to 32,000 readings
- User programmable alarm thresholds
- Data can be graphed, printed and exported to other applications
- Windows® 98/2000/XP/Vista compatible software included

2076367:

- Relative humidity range: 0 to 100% RH
- Set-ups: logger name, F/C, logging rate (10 sec. to 12 hrs.)
- LCD shows high/low and last readings
- Calculated dew point
- User-selectable alarm thresholds

2076412:

- Immediate, delayed and push-to-start mode
- High contrast LCD shows last, high and low stored readings
- Uses either a K, J or T-type thermocouple
- Graph data with downloadable software



2076367



2076412

Part No.	Mfr. Part No.	Description	1	5
2076367	EL-USB-2-LCD	Temp., humidity & dew point data logger ..	\$99.95	\$89.95
2076412	EL-USB-TC-LCD	Standalone data logger	99.95	89.95
2116672	1M5 (YELLOW)	K-type thermocouple probe for 2076367 ..	19.95	17.95



Serial Data Logger Module

★ Web Code: DLG

- Use for data logging (GPS, space/aircraft vehicle telemetry, industrial environment sensors, weather station data)
- 2400-460800 bps serial • 3V-5V operation
- Store script/code for MCU sequencing
- Store images and telemetry for robotics
- Support SD/SDHC/MMC/TF flash memory upto 32GB
- Interface with any MCU (PIC, AVR, 8051, Arduino, etc.)



Part No.	Mfr. Part No.	Description	1	5
2135769	DS-MMC	Serial data logger module	\$49.95	\$44.95



2 & 3 Conductor Fan, Pigtail, Detachable & Hospital Grade Power Cords at Industry Low Prices! See page 105 for complete selection.



RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

JAMECO ValuePro

3½-Digit LED Panel Meter

Easy to setup with no additional components required. This digital panel meter can be used in common ground applications.

- 10-pin connection
- With mounting facia and super bright LEDs
- Supply voltage: 5V common ground
- User selectable decimal point
- 0-200mV full scale input range
- Dimensions: 2.68"W x 1.3"H x 0.63"D



Part No.	Cross Ref. No.	Description	1	10	25
2144606	CX102B	3½-digit (bezel, screw mount)	\$11.95	\$10.95	\$9.95

*Digital Panel Meters — Enter Web Code WBU



Multi-Function Programmable Graphic Displays

3½-digit, bargraph & analog style meter

Customize your 2.4", 2.8" or 3.5" PanelPilot graphic displays in seconds with the simple click of a mouse. Using Lascar's revolutionary PanelPilot software, select from a wide range of customizable meter styles (digital and analog) including touch screen applications as well as more traditional volt meter apps. Choose colors, text labels, scaling and even display your own logo on power-up.

- Operating voltage: 4-30VDC
- Adjustable 0 to 40VDC input
- Screw terminal connections
- Programmable via USB interface
- Free Windows-based configuration software



Part No.	Mfr. Part No.	Description	1	5
2115354	SGD24-M	2.4", 3½-digit display	\$94.95	\$86.95
2125149	SGD28-M	2.8", 3½-digit display	89.95	84.95
2137924	SGD35-M	3.5", 3½-digit display	129.95	119.95

*7, 14 & 16-Segment Displays — Enter Web Code PBW



Drill Mountable Panel Meters

- Mount by simply drilling a single hole (7/32") and insert the threaded section of the panel meter
- Module size: 1.71"L x 0.84"W

Part No.	Mfr. Part No.	Description	Digit Ht.	Supply Volt.	Measurement Range	1	5	25
2113201	EMV-1125	3½-digit, LCD volt/current meter	.50"	7.5-15VDC	200mV-20V/200µA-200mA	\$32.95	\$29.95	\$27.95
2095040	EMV 1200	3-digit, signal pwr'd, LCD voltmeter	.50"	3-50VDC	4-25VDC	33.95	30.95	27.95
2095058	EMT 1900	3½-digit, LCD thermometer	.50"	4-28VDC	14-122°F	29.95	27.95	26.95
2095074	EMC 1500	5-digit, LCD hour meter	.35"	5-27VDC	99999 hours	32.95	29.95	27.95
2095082	EMA 1710	Analog-style LCD panel meter	—	5-12VDC	0-1VDC	25.95	23.49	19.95
2116584	V1	3½-digit, LCD voltmeter	.25"	7-12VDC	200mV-20V	15.95	14.95	13.95

*Web Code: WBU



Passive Component R/C SMD Tweezer Meter

One hand operation for fast, precise identification and measure of surface mount components.

- 4000 count LCD display
- Over range & low battery indicators
- Measures resistance, capacitance and diode test
- Relative mode for zero or user applied reference
- Capacitance ranges: 4nF, 40nF, 400nF, 4µF, 40µF, 200µF
- Resis. ranges: 400Ω, 4kΩ, 400kΩ, 4MΩ, 40MΩ



Part No.	Mfr. Part No.	1	5
1939685	RC100	\$64.99	\$61.95



50mV/50A Current Shunt

- Current range: 0 to 50A
- Accuracy: 0.8% ±0.2mV
- Output ratio: 1mV/1A
- Max. current: 100A



Part No.	Cross Ref. No.	1	5	25
162309	ST-50	\$34.95	\$29.95	\$26.95



Passive-Component Digital LCR Meter

- 4½-digit backlit LCD display
- Test frequencies of 120Hz and 1kHz
- Selectable parallel or series equivalent circuit
- Res. ranges: 20Ω to 10MΩ
- Cap. ranges: 2000pF to 10mF
- Inductance ranges: 2000µH to 10,000H
- Quality (Q) reading: 0 to 9999
- Set HI/LO limits, absolute or percentage
- Bidirectional RS-232 port with optional software
- Max./Min./Avg. recording with auto power off
- Accuracy of 0.7% for L & C, 0.5% for R
- Dissipation factor (D) reading: 0 to 0.9999
- Measures L, C & R w/ secondary parameter Q, D or R; both are displayed
- Size: 3.6"W x 2.1"D x 7.6"H
- Weight: 0.8 lbs.



Part No.	Description	1	5
198678	LCR Meter	\$209.99	\$199.95
189238	9VDC adapter for P/N 198678	6.95	5.95

Includes: Test leads, alligator clips, 9V battery & holster



Kill A Watt™ Energy Consumption Meters

These meters let you measure exactly how much energy an appliance consumes in your home. This allows you to calculate costs, check the quality of your power, and make your home more efficient.

- Maximum power: 1875VA
- Maximum voltage: 125VAC
- Maximum current: 15A
- Displays volts, amps, watts, Hz, VA, kWh



2157933



- Programmable on/off function for saving energy
- Combination multi-event 7 day/24 hour timer and electric consumption meter

Part No.	Mfr. Part No.	Size (H x W x D)	1	5
2075946	P4400	5.1" x 2.4" x 1.6"	\$29.95	\$26.95
2157933	P4480	5.4" x 2.8" x 2.8"	39.95	37.95

*Environmental Meters — Enter Web Code EMT

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Clamp, Analog & Digital Multimeters

See www.Jameco.com for complete specifications

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN

Clamp, Analog & Digital Multimeters

38073

P/N 1536843

\$18.99

DT830B

P/N 1928476

\$8.95

MN35

P/N 645618

\$19.99

381676

P/N 1537184

\$44.99

DM7

P/N 214261

\$17.95

M300

P/N 220812

\$10.95

DVM850BL

P/N 355207

\$17.95

BP-1562

P/N 318781

\$10.95

MAS830L

P/N 220759

\$14.95

MAS838

P/N 220741

\$19.95

BP-1415

P/N 318764

\$59.95

EX330

P/N 645626

\$59.99

EX430

P/N 1581177

\$94.99

EX505

P/N 2094127

\$114.99

115

P/N 1537328

\$159.95

117

P/N 1537336

\$179.95

All meters come with probes/leads

* Web Code: HBK

All meters come with probes/leads		★ Web Code: HBK			Basic Measurement Functions											Test Functions				Special Functions				★ Web Code: HBK			
Jameco Part No.	Manufacturer Part No.	Type	No. of Functions	Display Count	Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)		Frequency Ranges (Hz)	Temperature Range		Diode Test	Battery Test	Continuity Test	Transistor hFE Test	Autorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H" x W" x D")	Jameco Part No.	Pricing	
														°C	°F											1	5
1536843	Extech 38073	AMM	6	1	—	2.5V - 300V	10V - 300V	0.5A - 250mA	—	10KΩ - 1MΩ	—		—	—	—	✓	✓							3.5 x 6.1 x 1.9	1536843	\$18.99	\$17.95
1928476	Vastech DT830B	DMM	4	1999	1V	200mV - 1000V	200V - 750V	200μA - 10A	—	200Ω - 2MΩ	—		—	—	—	✓			✓					5.0 x 2.7 x 1.0	1928476	8.95	7.95
645618	Extech MN35	DMM	5	2000	100μV	200mV - 600V	200mV - 600mV	200mA - 10A	—	200Ω - 20MΩ	—		—	-20 to 750	-200 to 1400	✓		✓						5.4 x 3.0 x 1.5	645618	19.99	18.95
1537184	Extech 381676	DMM	5	2000	100μV	200mV - 600V	200m - 600V	—	—	200Ω - 20MΩ	—		—	—	—	✓		✓		✓				8.2 x 1.5 x 1.1	1537184	44.99	42.95
214261	Wavetek DM7	DMM	6	1999	1mV	2V - 600V	200V - 600V	200mA	—	2Ω - 2MΩ	—		—	—	—	✓	✓							5.5 x 3.1 x 1.5	214261	17.95	15.95
220812	Mastech M300	DMM	6	2000	1mV	2V - 500V	200V - 500V	200mA	—	2kΩ - 2MΩ	—		—	—	—	✓		✓						4.7 x 2.7 x 0.8	220812	10.95	9.95
355207	Velleman DVM850BL	DMM	6	2000	100μV	200mV - 100V	200V - 600V	200μA - 10A	—	200Ω - 2MΩ	—	↔	—	—	—	✓		✓	✓					5.4 x 2.7 x 1.2	355207	17.95	15.95
318781	BenchPro BP-1562	DMM	6	2000	100μV	200mV - 600V	200V - 750V	200μA - 10A	—	200Ω - 2MΩ	—		—	—	—	✓			✓					5.4 x 2.7 x 1.2	318781	10.95	9.95
2131127	Velleman DVM810	DMM	7	2000	1V	200mV - 500V	200mV - 500V	200μA - 10A	—	200Ω - 2MΩ	—		—	—	—	✓			✓					3.6 x 1.8 x 1.0	2131127	9.95	8.95
220759	Mastech MAS830L	DMM	7	2000	100μV	200mV - 600V	200V - 600V	200μA - 10A	—	200Ω - 2MΩ	—		—	—	—	✓		✓						5.7 x 3.0 x 1.4	220759	14.95	13.95
2113471	Fluke-87-5	DMM	7	6,000	10uV	0 - 1000V	0 - 1000V	0 - 10A	0 - 10A	0 - 50M	0 - 9999μF		0 - 200K	-200 to 1090	-328 to 1994	✓		✓			✓		✓	7.4 x 3.4 x 1.3	2113471	399.95	—
220741	Mastech MAS838	DMM	8	2000	100μV	200mV - 600V	200V - 600V	.2mA - 10A	—	200Ω - 2MΩ	—		—	-20 to 1000	—	✓		✓						5.7 x 3.0 x 1.4	220741	19.95	17.95
318764	BenchPro BP-1415	DMM	8	20,000	10μV	200mV - 1000V	2V - 700V	2mA - 20A	2mA - 20A	200Ω - 200MΩ	2000pF - 20μF		20k	—	—	✓		✓	✓					7.4 x 3.6 x 1.2	318764	59.95	54.95
645626	Extech EX330★	DMM	9	4000	100μV	.1mV - 1000V	.1mV - 750V	.1μA - 10A	.1μA - 10A	.1Ω - 40MΩ	.001nF - 200μF		.001 - 10M	-50 to 1000	-58 to 1832	✓		✓		✓				5.7 x 2.9 x 1.6	645626	59.99	56.95
1581177	Extech EX430	DMM	9	4000	100μV	.1mV - 1000V	.1mV - 750V	.1μA - 20A	.1μA - 20A	.1Ω - 40MΩ	.1nF - 100μF		.001 - 10	-20 to 750	-4 to 1382	✓		✓		✓			✓	7.4 x 3.2 x 2.0	1581177	94.99	89.95
2094127	Extech EX505	DMM	9	4000	10μV	0.1mV - 1000V	0.1mV - 1000V	0.1μA - 10A	0.1μA - 10A	0.1 - 40M	0.01nF - 100μF		0.001 - 9.99M	-20 to 750	-4 to 1382	✓		✓		✓			✓	7.2 x 3.2 x 2.2	2094127	114.99	109.95
1537328	Fluke 115†	DMM	9	6000	100μV	600mV - 600V	600mV - 600V	6A - 10A	6A - 10A	600Ω - 40MΩ	1000nF - 9999μF	↔	99.99 - 50k	—	—	✓		✓		✓	✓		✓	6.3 x 3.3 x 1.9	1537328	159.95	—
1537336	Fluke 117*†	DMM	9	6000	100μV	600mV - 600V	600mV - 600V	6A - 10A	6A - 10A	600Ω - 40MΩ	1000nF - 9999μF	↔	99.99 - 50k	—	—	✓		✓		✓	✓		✓	6.3 x 3.3 x 1.9	1537336	179.95	—
1939651	Extech EX530	DMM	9	40,000	100μV	400mV - 1000V	400mV - 1000V	400mA - 10A	400mA - 10A	400Ω - 40MΩ	40nF - 40μF		40 - 400	-45 to 750	-50 to 1382	✓		✓		✓			✓	7.4 x 3.2 x 2.0	1939651	219.99	209.95
2118459	RSR MS8229	DMM	10	3999	1V	400mV - 1000V	400mV - 750V	400μA - 10A	400μA - 10A	400Ω - 40MΩ	40μF - 100μF		9.999 - 200k	-20 to 1000	-4 to 1832	✓		✓		✓				7.7 x 3.6 x 2.2	2118459	99.95	89.95
692502	Extech DM110	DMM	10	4000	100μV	0 - 500V	0 - 500V	0A - .40	0A - .40A	400Ω - 40MΩ	0 - 200μF		9 - 10M	—	—	✓		✓						4.3 x 2.2 x 0.5	692502	39.99	37.95
220775	Mastech MY64	DMM	11	2000	100μV	200mV - 1000V	200mV - 700V	2mA - 10A	2mA - 10A	200Ω - 200MΩ	2nF - 20μF		2k - 20k	-20 to 1000	—	✓		✓	✓					7.4 x 3.6 x 1.3	220775	39.95	35.95
645571	Velleman DVM890F	DMM	11	2000	100μV	200mV - 1000V	2V - 700V	2mA - 10A	20mA - 10A	200Ω - 200MΩ	2000pF - 20μF		—	—	-58 to 1832	✓		✓		✓				6.7 x 3.5 x 1.5	645571	39.95	35.95
211650	Extech MN26T	DMM	11	4000	100μV	400mV - 600V	400mV - 600V	400μA - 10A	400μA - 10A	400Ω - 40MΩ	4nF - 200μF		10 - 10M	0 to 760	0 to 1400	✓		✓		✓				4.8 x 2.4 x 1.6	211650	44.99	42.95
117373	BenchPro BP-1949	DMM	11	4000	100μV	400mV - 400V	4V - 400V	400μA - 10A	400μA - 10A	400Ω - 4MΩ	50nF - 100μF		5 - 50k	-20 to 1000	-4 to 1532	✓		✓		✓		✓		7.7 x 3.6 x 1.6	117373	79.95	69.95
137462	BenchPro MS8226T	DMM	11	4000	100μV	400mV - 400V	4V - 400V	400μA - 10A	400μA - 10A	400Ω - 4MΩ	50nF - 100μF		5 - 50k	-20 to 1000	—	✓		✓		✓			✓	7.7 x 3.6 x 1.6	137462	99.95	89.95
2173642	Fluke 179/1AC-II KIT#	DMM	11	6000	0.1mV	0.1mV - 1000V	0.1mV - 1000V	0.01mA - 10A	0.01mA - 10A	0.1Ω - 50MΩ	1nF - 9999μF		2 - 100k	-40 to 400	-40 to 752	✓		✓		✓	✓		✓	7.7 x 3.6 x 1.6	2173642	349.95	—
2173634	Fluke 87-5/E2 KIT#	DMM	11	19,999	600mV	600mV - 1000V	600mV - 1000V	600μA - 10A	600μA - 10A	600Ω - 50MΩ	10nF - 9999μF	↔	199.99 - 199.99k	-200 to 1090	-328 to 1994	✓		✓		✓		✓		7.7 x 3.6 x 1.6	2173634	474.95	—
220767	Mastech MY68	DMM	12	3260	100μV	326mV - 1000V	3.26V - 700V	326μA - 10A	326μA - 10A	326Ω - 32.6MΩ	326nF - 32.6μF	↔	32.6k - 150k	—	—	✓		✓		✓				7.4 x 3.6 x 1.3	220767	44.95	39.95
192655	Fluke 175	DMM	12	6000	100μV	600mV - 1000V	600mV - 1000V	60mA - 10A	60mA - 10A	600Ω - 50MΩ	1000nF - 9999μF		99.99 - 99.99k	—	—	✓		✓		✓			✓	7.3 x 3.5 x 1.7	192655	279.95	—
2112532	Extech EX570	DMM	12	40,000	0.1V	0.1mV - 1000V	0.1mV - 1000V	.1μA-10A	.1μA-10A	0.01 - 40M	.001nF - 10,000μF		.0001Hz - 40MHz	-45 to 750	-50 to 1382	✓	✓	✓		✓			✓	7.3 x 3.3 x 2.3	2112532	249.99	239.95
185535	Fluke 179†	DMM	13	6000	100μV	600mV - 1000V	600mV - 1000V	60mA - 10A	60mA - 10A	600Ω - 50MΩ	1000nF - 9999μF		99.99 - 99.99k	-40 to 400	-40 to 752	✓		✓		✓	✓		✓	7.3 x 3.5 x 1.7	185535	299.95	—
2094119	Extech EX613\$	Clamp	9	40,000	10μV	0 - 600V	0 - 600V	400A	400A	.01Ω - 40M	10pF - 40,000μF		40MHz max.	-50 to 1000	-58 to 1832					✓			✓	9.7 x 4.0 x 1.9	2094119	189.99	179.95
374070	Extech MA220	Clamp	10	4000	100μV	400mV - 600V	400mV - 600V	40A - 400A	40A - 400A	400Ω - 40MΩ	40nF - 100mF		5 - 150k	-50 to 1000	-58 to 1830	✓		✓					✓	7.9 x 2.0 x 1.4	374070	109.99	104.95
1585881	Extech EX830\$	Clamp	11	4000	100μV	0.1mV - 600V	0.1mV - 600V	100mA - 1000A	100mA - 1000A	.01Ω - 40MΩ	0.001nF - 40000μF		0.001 - 4k	-50 to 270	-58 to 518	✓		✓					✓	8.5 x 4.3 x 2.0	1585881	219.99	209.95

* With non-contact voltage detector (100-600VAC range)

Kit with accessories included

† With backlight

\$ Soft case included

EX530

P/N 1939651

\$219.99

DM110

P/N 692502

\$39.99

MY64

P/N 220775

\$39.95

DVM890F

P/N 645571

\$39.95

MN26T

P/N 211650

\$44.99

BP-1949

P/N 117373

\$79.95

BP-1737

P/N 137462

\$99.95

179

P/N 2173642

\$349.95

87-5

P/N 2173634

\$474.95

MY68

P/N 220767

\$44.95

175

P/N 192655

\$279.95

EX570

P/N 2112532

\$249.99

179

P/N 185535

\$299.95

EX613

P/N 2094119

\$189.99

MA220

P/N 374070

\$109.99

EX830

P/N 1585881

\$219.99

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



Environmental Meters & Testers



When you're out in the field, there are plenty of times where measurements need to be taken, but the challenge lies in physically getting to the area to take the measurement. This line of environmental meters and testers can make testing much simpler, like our infrared thermometers that can take temperatures from further distances without having to make contact. These products measure everything from air velocity to temperature, speed, light and electromagnetic fields. If there's a measurement to be taken, these tools can do the job.



F of V: Field of View (Distance to target)

*Web Code: EMT

Part No.	Manufacturer	Product No.	Description	1	5
1537299	Extech	IR100	Thermometer, Mini IR, measures temp. (-31 to 446°F) F of V 1:1	\$39.99	\$37.95
219361	Extech	IR-201	Thermometer, Pocket IR w/ Laser Pointer, measures temp. (-58° to 518°F) F of V 6:1	59.95	56.95
2112541	Extech	42510A	Thermometer, wide range mini IR, 12:1 compact thermometer w/ laser pointer (-58 to -1200°F/-50 to -650°C) 12:1 Compact IR	99.99	94.95
2173651	Fluke	FLUKE-62 MAX	Thermometer, infrared handheld, measures temp. (-22° to +932°F), IP54 rated, laser pointer, distance to spot size ratio 10:1	99.95	—
214480	Fluke	FLUKE-52-2	Thermometer, measures temp. large backlit dual display, dust splash resistant (-328° to 2501°F)	290.00	—
2137043	Velleman	PMTMP1	Thermometer, digital panel mount with 3 1/2 digit LCD, measures temp. (-58° to +158°F), sensor cable length: 10 feet	12.75	12.25
198045	Extech	445703	Thermometer, Digital Hygro/Humidity Meter w/ Indoor Readings, measures temp. (14° to 140°F) & RH (10-99%),	41.99	39.95
1939634	Extech	445713	Thermometer, Digital Hygro/Humidity Meter w/ Indoor & Outdoor Readings & Remote Sensor on 35' cable, temp. (14° to 140°F) & RH (10-99%)	45.99	40.95
218085	Extech	45118	Thermo-Anemometer, Mini, measures temp. (0° to 122°F) & air velocity (1.1 to 62.5mph)	109.99	104.95
1939731	Extech	RPM10	Thermometer, IR & Tachometer, measures temp. (-4° to 600°F) & RPM: photo tach. (10 to 99,999 rpm), contact tach. (.5 to 19,999 rpm) & surface speed (.2 to 6560 feet/min or .05 to 1999.9 miles/min)	329.99	314.95
131764	BenchPro	LX-102	Light Meter, Digital, ranges: LUX 0 to 50,000, footcandle 0 to 5,000	109.95	89.95
1939642	Extech	480836	RF EMF Strength Meter, measures frequency (50MHz to 3.5GHz)	259.99	244.95
645642	Extech	407730	Sound Level Meter, Digital, decibel range (40dB to 130dB)	89.99	85.95
198002	Extech	40180	Tone Generator & Amplifier Probe, tests: wire trace, continuity, clear/busy/ringing line, & tip/ring ID	89.99	84.95
145710	BenchPro	256551	Modular Cable Tester, tests 10Base-T, 10Base-2, RJ45/RJ11, 258A, TIA568A/568B, & Token Ring cables, Tests for: continuity, miswiring, open circuits, shorts, grounding & pin configurations, includes 4 adapters and 9V battery	59.95	53.95
2130749	Velleman	VTLAN4	LAN tester, tests RJ-45, 10 Base-T, Token Ring, RJ11/12 cables, network, telephone, and most types of computer cables	14.95	13.49
14285	BenchPro	RS232	RS232 Line Tester, identifies simple interface problems on lines 2-6, 8, 11, 19, 20	9.95	8.95
105196	BenchPro	TRIPORT	RS232 Signal Adapter/Splitter, metal connectors DB25F/M & DB9M gold plate DC contacts	2.49	1.95

Velleman 3-in-1 Lab Center

Digital Multimeter:

- 3-1/2 backlit LCD
- Automatic polarity indication
- DC voltage ranges: 200mV to 600V
- AC voltage ranges: 200V to 600V
- DC current ranges: 200µA to 10A
- Resistance ranges: 200Ω to 2MΩ
- Diode, transistor and continuity tester

Regulated Power Supply:

- Selectable output volts: 3 to 4.5; 6 to 7.5; 9 to 12VDC
- Output current: 1.5A (2A peak) • On/off switch

Soldering Station:

- 48W ceramic heating element with temp. sensor
- 24V soldering iron
- Temperature range: 150° to 450°C

Includes: Test leads, user manual, sponge, spare bit for soldering iron and 9V battery for DMM

Part No.	Mfr. Part No.	1	5
695025	LAB1	\$159.95	\$139.95

Velleman 3-in-1 Lab Center

Oscilloscope:

- 10MHz bandwidth
- Real-time sampling rate up to 40MS/s
- Readouts: DC, DC+AC, True RMS, dBm, Vpp, Min-Max.
- White LED backlight

Function Generator:

- DDS type generator • DAC resolution: 10 bits
- Frequency range: 1Hz to 1MHz
- Waveforms: sine, square, triangle
- Sweep function with bi-directional option

Power Supply:

- Fixed output voltages: 3V, 5V, 6V, 9V, 12V (±5%)
- Peak output curr.: 1A • LED output overload indicator

Includes: Scope probe, RCA adaptor, user manual and AC cord

Part No.	Mfr. Part No.	1	5
2120840	LAB2U	\$249.95	\$224.95

Uni 4-in-1 Lab Center

This kit combines 4 different functions in one instrument for easy and compact measurement and testing.

DDS Function Generator:

- Freq. range: 0.1Hz-10MHz
- Wave outputs: Sine, Square, Triangle, Pulse, TTL output

Frequency Counter:

- Channel A: 1Hz-110MHz

DC Power Supply:

- Adjust. volt. output: 0-30V / 0-3A
- 3 fixed voltage outputs: ±15V/1A, +5V/2A

Digital Multimeter:

- 50 measurement functions
- Max. AC/DC volt.: 1000VDC/750VAC
- Max. DC/AC curr.: 20A • Resis. range: 0.1Ω-80MΩ
- Capacitor range: 1pF-100µF
- Temp. range: -50°C~1372°C (-58°F ~ 2502°F)
- RS-232 interface for possible PC communication

Includes: Power cord, test leads, fuses, temperature probe, RS-232 cable for DMM, user's manual

• Size: 15.0"W x 12.5"D x 6.6"H • Weight: 30.2 lbs.

Part No.	Mfr. Part No.	1	5
2135814	US-9170A	\$999.95	\$949.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



80,000-Count Benchtop Digital Multimeter

This benchtop multimeter not only provides voltage and current measurements, but also basic resistance, frequency, continuity and diode test functions.

- Large dual-display LCD with analog bar graph
- 50 measurement functions including capacitance, frequency, temperature
- 18 types of frequency up to 80MHz, with 0.1%-99% duty cycle
- Simultaneous measurement: (AC+DC, AC+Hz, DC+dBm, °C+°F, etc.)
- Auto data update and refresh, auto data hold, auto peak hold
- RS-232 interface
- 36-hour dynamic record: MAG, MIN, AVG, MAX-MIN, setting upper & lower limit, timing measurement
- Frequency requirement: 110/220VAC @ 50/60Hz
- Input: 115VAC or 230VAC @ 48-60Hz
- Size: 10.2"W x 8.7"D x 3.2"H

Includes: Test leads, thermocouple and user's manual

Part No.	Mfr. Part No.	Weight	Price
2145748	DM-1150B	3.1 lbs	\$349.95

20MHz Industrial ScopeMeter®

Digital Scope, 15-Function Digital Multimeter & Recorder

The Fluke 123 is the ideal choice for troubleshooting industrial machinery, instrumentation, control and power systems. It automatically recognizes signal patterns and sets up correct triggering, timing, and amplitude for stable displays.

- Dual-input TrendPlot™ recorder
- Dual-input 40MHz or 20MHz digital oscilloscope
- Two 5000-count true-RMS digital multimeters
- 600V CAT III safety certified
- Optically-isolated interface for PC connection
- Up to 7 hours battery operation

Includes: Battery pack with charger, test leads and CD-ROM with user's manual

Part No.	Mfr. Part No.	Price
160661	Fluke 123-003 (w/o software)	\$1,499.95

***Digital Multimeters — Enter Web Code HBK**



Video Borescope/Wireless Inspection Camera

- Detachable wireless 3.5" color TFT LCD display
- 39" (1m) flexible gooseneck with waterproof camera head
- 2 built-in bright LED lights for illuminating dark areas
- Videos and images can be viewed on the wireless monitor or transferred to your PC

Includes: 4 AA batteries, 2GB microSD memory card, SD adaptor, USB cable, extension tools, video cable, AC adaptor, magnetic base stand and storage case

Part No.	Mfr. Part No.	1	5
2112591	BR200	\$299.99	\$284.95



60MHz 2-Channel Digital Oscilloscope

5.6" color LCD display

- One-touch automatic setup
- Waveform recorder to capture/replay input waveforms
- Built-in 6,000 count True RMS multimeter with analog bargraph
- Easy-to-use pop-up menu with built-in multi-language system
- 23 automatic measurements
- Store and recall up to 1000 waveform screens
- Built-in FFT function converts a time-domain signal into its frequency components
- Size: 9.6"L x 6.4"W x 2.0"H

Includes: two 1x/10x probes, test leads, 7.4V Li-Ion battery, universal AC charger, and carrying case

Part No.	Mfr. Part No.	Price
2170345	MS6060	\$1,599.00



20MHz 2-Channel Analog Oscilloscope

- 6" rectangular screen with internal graticule and scale
- Vertical deflection: 1mV/div to 1V/div (5MHz, 3dB) x 5 (10MHz, 3dB) x 5
- Horizontal deflection: 0.1µs/div to 2.0s/div in 1-2-5 sequence, 23 steps
- Max. input voltage: 400V (DC + AC peak)
- Input voltage: 115/230VAC with line voltage selector
- ADD function measures sum of 2 signals
- Size: 12.8"W x 15.7"D x 5.2"H
- Weight: 16.8 lbs.

Includes: 2 (X1/X10) test probes, power cord and manual

Part No.	Mfr. Part No.	1	5
685311	SK0200 (20MHz)	\$429.95	\$399.95



Handheld Pocket Oscilloscopes

Never be left without a scope again!

- Real-time sampling rate: 40MS/s
- Full auto range option
- Hold & store functions
- Direct audio power measurement

2127339:

- NiMH rechargeable battery
- Size: 2.9"W x 1.1"D x 4.5"H

2128294:

- Adjustable trigger level
- Multiple screen modes
- Screen capture function
- Li-Ion rechargeable battery
- Size: 4.3"W x 1.6"D x 6.9"H

Includes: Measuring probe and USB cable

Part No.	Mfr. Part No.	1	5
2127339	HPS1401 (10MHz)	\$189.95	\$179.95
2128294	HPS50 (12MHz)	374.95	339.95

***Oscilloscopes — Enter Web Code RCG**



25MHz/40MHz 2-Channel Digital Oscilloscopes

- API-0025 (25MHz)
- API-0040 (40MHz)
- Display: 5.7" brilliant color TFT display with 64k color
- USB host/device: support USB printer and USB flash drive
- 12 language screen menu
- Math: add, subtract, FFT
- Digital filter function, waveform recorder function, pass/fail function
- Measure system:
 - 32 parameters auto measure
 - Cursor measure: manual, track, and auto mode
- Size: 12"L x 5.3"W x 6.0"H
- Weight: 5.0 lbs.

Includes: Oscilloscope probes, USB cable, manual, and CD software

Part No.	Mfr. Part No.	Real Time Sampling Rate	1	5
2126969	API-0025	500MSa/s	\$469.95	\$425.95

20MHz 2-Ch Digital Oscilloscope

Dual-channel with 3.8" (97mm) color LCD display

- 20 automatic measurements including frequency, cycle, average, peak-to-peak, RMS and more
- Waveform math: add, subtract, multiply and divide
- XY mode and FFT function to view component frequencies
- USB interface and software for transferring waveforms and data
- Size: 4.1"W x 1.6"D x 7.0"H

Includes: Two 1X/10X scope probes, test leads, Windows® compatible USB software and cable, capacitor measuring module, adjustment screwdriver, AC adapter and carrying case

Part No.	Mfr. Part No.	Price
2138468	MS420	\$949.00

25MHz PropScope 2-Ch Oscilloscope

Built-in expansion port allows additional capabilities and upgrades by simply plugging in an expansion card. The included software provides all the traditional functions of an oscilloscope as well as functions for a function generator, logic analyzer, spectrum analyzer, vector-scope, and more!

PropScope:

- 2 input channels
- 25 million samples per second
- 20 Vpp maximum input range
- 10-bit input resolution
- USB port powered
- Operating temp.: 32°F to 158°F
- Size: 4.7"L x 2.7"W x 1.1"H

Expansion card:

- 4-bit DAC for generating NTSC and PAL signals
- External analog trigger w/ -10V to +10V input range
- 4-bit digital input and trigger

Includes: PropScope DAC expansion card and 1x/10x selectable probes

Available with Text Guide and parts (P/N 2134871, pg 159)

Part No.	Mfr. Part No.	Price
2136518	32220	\$199.95

**For additional products, availability, and additional specifications visit [Jameco.com](http://www.Jameco.com) and enter the web code in the product search box*



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Oscilloscopes, Function Generators & Frequency Counters

20MHz Function Generator

- Advanced Direct Digital Synthesis (DDS) technique, output in two independent channels
- Sampling rate: 100MSa/s
- Built-in 100MHz frequency counter and power amplifier
- Waveforms: 16 types including Sine, Square, Triangle, and Ramp
- Keyboard operation, sequence adjusting with knob

Includes: Power cord, BNC cable, fuse, user's manual

Part No.	Mfr. Part No.	Size (W" x H" x D")	Price
2145625	DFG-9020	10.0 x 4.05 x 12.8	\$599.95



25MHz & 50MHz 2-Ch USB PC Oscilloscopes

These digital storage oscilloscopes use your PC to visualize electrical signals sensitive enough to display resolution down to 0.15mV.

Oscilloscope:

- Real time sampling frequency: P/N 2137422: 250Hz to 25MHz
- Input range: P/N 2137422: 10mV to 3V/division
- Frequency range: P/N 2137422: 120Hz to 12MHz
- FFT resolution: 2048 lines

Spectrum Analyzer:

- Frequency range: P/N 2137422: 120Hz to 12MHz
- FFT resolution: 2048 lines

Transient Recorder:

- Timescale: 20ms/Div to 2000s/Div
- Max record time: 9.4 hour/screen
- Min./Max. number of samples: 20/s; 100/s

Function Generator (2137422 only):

- Crystal-based stability
- Standard waveforms: sine, square and triangle

System Requirements: IBM compatible PC, Windows® 98SE or later, SVGA display card, USB port

Includes:

P/N 2137422: PC Scope + generator unit, 1 x 60MHz scope probe, USB cable, software, BNC adapter
P/N 695017: PC Scope, 2 x 60MHz scope probes, USB cable, software

Part No.	Mfr. Part No.	1	5
2137422	PCSU1000	\$249.95	\$237.95
695017	PCSU1000	449.95	399.95



40MHz Multifunction Oscilloscopes w/ Built-In 5MHz Function Generator

Oscilloscope:

- 6" rectangle high resolution CRT
- Max signal input volt.: 400V (DC and AC peak)
- Input voltage: 100/120/220/240VAC @ 50/60Hz
- Size: 15.7"L x 12.8"W x 5.2"H
- Weight: 26 lbs.
- Two-year manufacturer's warranty

1586200: With built-in 60MHz auto-detect counter

Function Generator:

- Frequency range: 0.5Hz to 5MHz (6 ranges)
- Output waveforms: sine, triangle, square
- Output impedance: 50Ω
- Output volt: 20Vp-p (no load), 10Vp-p (w/ 50Ω load)

Part No.	Mfr. Part No.	1	5
1536886	SK0404	\$649.95	\$609.95
1586200	SK0409	699.95	649.95



3MHz Function Generator with Positive and Negative Pulses

- 6 waveforms: sine, square, triangle, ramp, positive pulse and negative pulse
- Input voltage: 110VAC
- Output impedance: 50Ω ±2%
- Knob selector switches for waveforms and frequency ranges
- Frequency range: 0.5Hz to 3MHz in 6 ranges via rotary switch
- Size: 10.5"W x 11.2"D x 3.9"H
- Weight: 6.6 lbs.

Part No.	Mfr. Part No.	1	5
685329	SK3000	\$209.95	\$189.95



5MHz Function Generator

- Waveforms: sine, square, triangle and ramp
- 0.5 to 5MHz
- 100% DC offset
- Variable duty cycle
- Output impedance: 50Ω
- Coarse and fine tuning
- Size: 10.4"W x 11.7"D x 3.4"H
- Weight: 6.2 lbs.
- Two-year warranty

Part No.	Mfr. Part No.	Price
160469	BK4011A	\$354.95



2 & 3MHz Function Generators with Frequency Counter

Function Generator

- Waveforms: sine, triangle, square, TTL and CMOS output
- Output amplitude: >10Vp-p into 50Ω load
- Output impedance: 50Ω ±10%
- DC offset range: <-5V to >+5V into 50Ω load

Frequency Counter

- Input voltage: 115/230VAC @ 50-60Hz
- Weight: 4.4 lbs.
- Two-year warranty
- 2160411: 6-digit LED display • Ranges: 0.1Hz ~ 3MHz
- DDS technology and FPGA design
- 229251: 4-digit LCD display
- Ranges: 0.2Hz to 2MHz • Size: 9.1"W x 11.0"D x 3.7"H
- 229260: 6-digit LCD display with ramp
- Ranges: INT/EXT switch, 0.3Hz to 3MHz internal and 5Hz to 150MHz external; resolution of 10nHz to 0.1Hz
- Size: 9.9"W x 11.5"D x 3.6"H

Includes: Power cord, operation manual and leads

Part No.	Mfr. Part No.	Description	1	5
2160411	SFG-1003	3MHz DSS	\$174.95	\$164.95
229251	GFG-8020H	2MHz	249.95	229.95
229260	GFG-8216A	3MHz	299.95	269.95



INSTEK

150MHz 2-Channel Universal Frequency Counter

- 8-digit green LED display (0.56" digit height)
- Adjustable range & gate time
- Freq. range: 0.2Hz ~ 150MHz
- Gate time range 0.01s ~ 10s
- Impedance: 1MΩ, <40pF
- Channel A sensitivity – 25mVrms: 0.2Hz ~ 100MHz, 50mVrms: 100MHz ~ 150MHz; channel B – 25mVrms: 0.2Hz ~ 100MHz
- Count capacity: 0 ~ 99999999 (MHz)
- Input voltage: 100/220 @ 50/60Hz
- Size: 10.0"W x 3.2"H x 10.3"D

Part No.	Mfr. Part No.	1	5
2112840	FC-150U	\$279.95	\$259.95



2.4GHz 2-Channel Frequency Counter

- 8-digit green LED display with annunciators
- Adjustable range & gate time
- Frequency ranges: 0.01Hz to 2.4GHz
- Gate time: 100msec to 10sec
- Channel A: DC coupled – 0.01Hz to 100Hz; AC coupled – 100Hz to 50MHz, sensitivity – 80mVrms, 1MΩ impedance
- Channel B: frequency range: 50MHz to 2.4GHz, sensitivity – 50mVrms, 50Ω impedance
- Power supply: 120 to 220VAC
- Size: 10.6"W x 8.5"D x 3.9"H
- Weight: 3.5 lbs.

Part No.	Mfr. Part No.	1	5
1955968	DVM13MFC2U	\$149.95	\$134.95



5MHz Sweep Function Generator with 60MHz Counter

Function Generator

- Waveforms: triangle, sine, square, ramp, positive pulse, negative pulse
- Frequency range and display: 0.05Hz ~ 5MHz, 5-digit LED display (0.001Hz resolution)
- 8 ranges controlled by rotary switch
- DC offset ±10V (no load), ±5V (50Ω load) continuously adjustable controlled by offset switch

Frequency Counter:

- 5-digit LED display (0.36" digit height)
- Resolution: 0.001Hz
- Display unit: Hz/kHz (auto)
- INT/EXT switch, 0.500Hz to 5000KHz internal with 4 res., 0.2Hz ~ 60MHz external
- Size: 11.8"W x 3.5"H x 10.8"D
- Weight: 5.5 lbs.

Includes: power cord and operation manual

Part No.	Mfr. Part No.	1	5
2112831	SK5200	\$279.95	\$249.95

***Function Generators — Enter Web Code DEJ**

***Frequency Counters — Enter Web Code VCG**

5MHz Mixed Signal Oscilloscope for iPad®

Made specifically for iPhone, iPod touch, iPad. This mixed signal oscilloscope is the first of its kind that allows users to convert their iPhones and iPads into an oscilloscope, quickly and easily. The design is very intuitive and is quickly becoming the preferred scope for the next generation of inventors.

- Free App available for download in the Apple App Store
- Bandwidth: 5MHz
- Max. sample rate: 12MS/sec
- High resolution with simple interface
- AC or DC coupling
- Auto/Normal/Single/Stop trigger modes

Includes: iMSO-104 hardware, 1x/10x analog probe, logic harness (4 digital + 1 ground), SMD grabbers (5 pieces), analog tip covers (2 pieces), and screwdriver for analog compensation adjustment

Part No.	Mfr. Part No.	Price
2160534	iMSO-104	\$299.95



60/100/250MHz Probe Sets

- Probe set with multiple tips
- Attenuation of 1:1 or 1:10
- Cord length: 4'
- Conforms with IEC-1010 CAT II



Part No.	Mfr. Part No.	x10 Bandwidth	1	5
2130781	PROBE60S	60MHz	\$13.95	\$12.49
2130618	PROBE100	100MHz	20.95	18.95
2130482	PROBE250	250MHz	36.95	33.95

Pomona 100MHz Probe Set

- Complete accessory kit included
- Compensation range: 10-60pF
- Bandwidth: 15/100MHz (-3dB)
- Attenuation: x1/x10 • 48" cable
- Rise time: 23.33/3.5ns
- Input resistance: 1/10MΩ
- Capacitance: 64/10.5pF



Part No.	Mfr. Part No.	1	5
156451	4550B (100MHz)	\$64.95	\$59.95

Jameco BenchPro High Voltage Test Probe

- Maximum voltages: DC:40kV, AC: 40kV peak, 28kVrms
- Accuracy: DC:±1.5%, AC:±5%
- 10MΩ meter input impedance required
- Input/output impedance: 1,000MΩ/1.1MΩ
- Probe length: 14" • Cable length: 39"



Part No.	Cross Ref. No.	Weight	1	5	25
132290	HV-40	0.8 lbs.	\$69.95	\$65.95	\$61.95

EXTECH 80-Watt Switching Mode DC Power Supply

- Input voltage: 90-264VAC @ 47-63Hz
- Constant voltage and current
- Basic accuracy: ±1%
- Ripple and noise: <30mVp-p
- Line regulation: <4mV
- Load regulation: <20mV
- Remote sensing for accurate applied voltage at load point
- 3 ranges: 0-16.4V @ 0-5.1A; 0-27.6V @ 0-3.1A; 0-36.8V @ 0-2.3A
- Front and rear output terminals
- Size: 5.0"W x 2.1"D x 13.0"H • Weight: 4.2 lbs.



Part No.	Mfr. Part No.	1	5
1939600	382260	\$269.99	\$254.95

Pomona 400MHz Oscilloscope Probe

- Attenuation ratio: 100:1
- Maximum input voltage CATII rating: 1000Vrms
- Input resistance: 50MΩ
- Input capacitance: <7.5pF
- Compensation range: 10-50pF
- Cable length: 6.6 feet

NEW
MARKED IN PINK

Multiple Accessories Included!

Part No.	Mfr. Part No.	1	5
2116293	6498	\$119.95	\$109.95

Jameco BenchPro 17MHz Logic Pulser

- Compatible with TTL, DTL and CMOS ICs
- Pulse repetition rate: 0.5pps/400pps
- 1MΩ sync input impedance
- Pulse width output at 100mA load: 10μs
- Pulse mode output current: 10mA
- Square wave current output: 5mA
- "One shot" or continuous 5Hz pulse train



*Web Code: MAQ

Part No.	Cross Ref. No.	1	5	25
24601	LP540H	\$29.95	\$26.95	\$23.95

Jameco BenchPro 17MHz Logic Probe

- Max input freq.: 17MHz
- Minimum pulse width: 30ns
- Pulse flash time: 500ms
- Audible tones for high & low
- Input impedance: 1MΩ
- Power supply protection: ±20V
- TTL threshold: Lo = 0.8V ±0.2V, Hi = 2.3V ±0.2V
- CMOS threshold: Lo = 30% VCC, Hi = 70% VCC



Part No.	Cross Ref. No.	1	5	25
149930	LP3500	\$39.95	\$35.95	\$32.95

Jameco BenchPro 60/100/250MHz Modular Oscilloscope Probes



- Hook and pointed probes
- Maximum input volt.: 600V
- Alligator clip ground wire
- 216047/236777: With IC test ground cover and spring ground contact
- Length: 5'
- BNC male connector

Part No.	Bandwidth (±3dB)		Impedance (R/C) *	
	Attenuation		Attenuation	
	x1	x10	x1	x10
22892	6MHz	60MHz	1MΩ/180pF	10MΩ/22pF
216047	6MHz	100MHz	1MΩ/47pF	10MΩ/16pF
236777	6MHz	250MHz	1MΩ/47pF	10MΩ/14pF

* With 20pF oscilloscope input

Part No.	Cross Ref. No.	1	5	25
22892	LF101E	\$24.95	\$22.49	\$19.95
216047	HF-9100	29.95	26.95	23.95
236777	HP-9250	39.95	35.95	31.95

*Probes — Enter Web Code RAC

108-Watt Desktop Power Supply

- Load regulation: ±2%
- Input voltage: 88 132VAC/176-264VAC @ 47-63Hz (switch selectable)
- Line regulation: ±5%
- Efficiency (typical): 81%
- Ripple and noise max.: 120mVp-p
- Voltage adjustment range: 12-15VDC
- Front panel on/off switch and 3 color LED loading indicator
- Short-circuit/overload/ overvoltage/ overtemperature protection
- Back panel 3-prong AC receptacle and banana plugs
- Size: 5.9"W x 5.5"D x 3.3"H • Weight: 3.3 lbs.



Part No.	Mfr. Part No.	1	5
673230	ESP-120-13.5	\$47.95	\$44.95

DV3100 Digital Logic Analyzer

From a new aluminum case to advanced triggering, adjustable threshold, more memory and a wider voltage range, the new DV3100 is the best value in a portable logic analyzer.



- 18 channels @ 100MHz (10ns)
- Automatic real time hardware compression (Tri-mode)
- Eliminates res. vs. depth tradeoffs
- +0.5 to +2.8V adjust. threshold
- Ground current protection ±12V
- USB 2.0 & 1.1 compatible

Includes: All cables, clips (quantity 20) and software

Part No.	Mfr. Part No.	1	5
2115776	DV3100	\$474.95	\$424.95

Salera 8 & 16-Ch Logic Analyzers

Monitoring signals has never been easier with these 8 and 16-channel logic analyzers that are able to save as many as 10 billion samples! Features a small design, an average input voltage of 3.5V, USB 2.0 connection, as well as over-voltage and ESD protection.



- Compatible with Windows®, Linux, Mac OS
- Sample rate: 2143427: 24MHz each channel
- 2143451: 100MHz (2-ch), 50MHz (4-ch), 25MHz (8-ch), 12.5MHz (16-ch)

Includes: Logic analyzer, flexible test lead set, micro-hook clips, USB cable and custom carrying case

Part No.	Description	Size (L" x W" x H")	1	5
2143427	8-channel	1.7 x 1.7 x 0.36	\$149.95	\$139.95
2143451	16-channel	3.1 x 3.1 x 0.39	299.95	284.95

ATX Power Supply Testers

- Tester for ATX power supply outputs to indicate pass or fail
- 24-pin ATX connector
- 4-pin HDD/ floppy drive connector, and 6-pin/8-pin P4 connector on the other side
- Tests +3.3V, +5V, +12V, +5VSB and PG



- 2119988: LED indicators with on/off switch
- 2115514: LCD display readout



Part No.	Mfr. Part No.	Color	1	5
2119988	E77CECE38L	Black	\$12.95	\$11.49
2115514	E77CEBE80L	Black	24.95	22.49

60MHz Oscilloscope Passive Probe

- Attenuation: x1, x10
- Input resistance: 1MΩ ± 2% (x1), 10MΩ ± 2% (x10)
- Input capacitance: 85pF-115pF (x1); 18.5pF-22.5pF (x10)
- Maximum working input voltage: <150VDC + Peak AC (x1), or <300VDC + Peak AC (x10)
- Cable length: 3.9 feet



Part No.	Mfr. Part No.	Price
2145342	T5060	\$19.95

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

Benchtop & Precision Power Supplies

3 LEVELS OF SAVINGS
NAME BRANDS HOUSE BRANDS FACTORY OVERRUN



Single Output Benchtop Power Supplies



* Web Code: SAX

- Voltage and current adjustable



301920



175257



645600



301971



207618



301911



207706



175249

Part No.	Mfr.	Mfr. Part No.	Voltage (VDC)/ Current (A)	Power (W)	Displays (Digits)	Input Voltage (VAC)	Short Circuit Protection	Overload Protection	Size (W" x H" x D")	Weight (lbs.)	Pricing	
											1	5
301920	Mastech	HY1503C	15/3	45	2-Analog	115 ±10%	Y	N	3.8 x 6.3 x 9.1	9	\$99.95	\$89.95
2130378	Velleman	PS1503SBU	15/3	45	2-Digital LCD (3.5)	220 @ 50Hz	Y	N	8.4 x 6.0 x 3.8	6.7	99.95	94.95
175265	BenchPro	DPS150A	15/10	150	2-Analog	110 @ 60Hz	Y	Y	6.2 x 4.0 x 5.7	12	139.95	129.95
175257	BenchPro	SPS250A	15/15	225	2-Analog	110/220 @ 47-63Hz	Y	Y	6.2 x 4.0 x 5.6	3.8	149.95	129.95
681221	Extech	382202	18/3	54	2-Digital LCD (4)	120 @ 60 Hz	Y	Y	9.4 x 6.1 x 4.3	6.6	139.99	132.95
645600	Extech	382200	30/1	30	2-Digital LCD (4)	100/240 @ 47-63Hz	Y	Y	9.4 x 6.1 x 4.3	4.4	129.99	122.95
301971	Lascar	PSU130	30/1	30	2-Digital LCD (4)	100/240 @ 47-63Hz	Y	Y	5.5 x 1.6 x 5.2	1.2	89.95	84.95
2145887	Uniteq	PS-1303	30/3	95	2-Digital LED (3.5)	110/220 @ 50/60Hz	N	Y	6.5 x 13.0 x 5.1	10	159.95	—
301866	Mastech	HY3003D	30/3	90	2-Digital LCD (4)	115 ±10%	Y	N	5.4 x 6.2 x 11.5	10	159.95	144.95
207618	Mastech	HY3005C	30/5	150	2-Analog	115 ±10%	Y	N	5.4 x 6.2 x 11.5	14	159.95	135.95
301911	Mastech	HY3005D	30/5	150	2-Digital LCD (4)	115/230 ±10% (switchable)	Y	N	5.4 x 6.2 x 11.5	13	179.95	164.95
207626	Mastech	HY3010C	30/10	300	2-Analog	115 ±10%	Y	N	10.4 x 6.5 x 14.4	31	259.95	229.95
207635	Mastech	HY3010	30/10	300	2-Digital LED (4)	115/230 ±10% (switchable)	Y	N	10.4 x 6.5 x 14.4	31	299.95	269.95
207686	Mastech	HY3020	30/20	600	2-Digital LED (4)	115 ±10%	Y	N	10.4 x 6.5 x 14.4	42	499.95	449.95
207694	Mastech	HY5002	50/2	100	2-Digital LED (4)	115/230 ±10% (switchable)	Y	N	5.4 x 6.2 x 11.5	13	169.95	149.95
163723	BenchPro	DPS-3050	50/3	150	2-Analog	110 @ 60Hz	Y	Y	4.8 x 7.5 x 9.0	12.3	134.95	119.95
207706	Mastech	HY5003	50/3	150	2-Digital LED (4)	115 ±10%	Y	N	5.4 x 6.2 x 11.5	13	209.95	189.95
301938	Mastech	HY3005	30/5	195	2-Digital LED	115/230 ±10%	Y	N	11.5 x 5.25 x 6.25	10	174.95	159.95
207600	Mastech	HY5005	50/5	250	2-Digital LED (4)	115/230 ±10% (switchable)	Y	N	10.4 x 6.5 x 14.4	17	249.95	224.95
175249	BenchPro	DPS050	50/5	250	2-Analog	110 @ 50-60Hz	Y	Y	7.7 x 6.7 x 4.9	13.8	179.95	159.95



Multiple Output Benchtop Power Supplies

These benchtop power supplies are a must for every laboratory. They sit out of the way of your workspace and stay ready to supply power at all times. Single and multiple outputs are available for your specific laboratory needs. Standard banana input plugs provide easy connections, and precision adjustment knobs provide exact power outputs for all your projects.

For more information, visit www.Jameco.com.

- Voltage and current adjustable

* Web Code: SAX



211693



301962



301947



197991



197982



1939618

Part No.	Mfr.	Mfr. Part No.	Voltage (VDC)/ Current (A)	Power (W)	Input Voltage	Displays (Digits)	Short Circuit Protection	Overload Protection	Size (W" x H" x D")	Weight (lbs.)	Pricing	
											1	5
211722	Mastech	HY3002-2	0-30/2; 0-30/2	120	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	23	\$219.95	\$199.95
211705	Mastech	HY3002D-2	0-30/2; 0-30/2	120	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	23	224.95	199.95
211693	Mastech	HY3003D-2	0-30/3; 0-30/3	180	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	28	219.95	199.95
211731	Mastech	HY3003-2	0-30/3; 0-30/3	180	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	28	239.95	224.95
301962	Mastech	HY5003-2	0-50/3; 0-50/3	300	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	26	279.95	249.95
301947	Mastech	HY3005D-2	0-30/5; 0-30/5	300	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	26.5	309.95	279.95
211713	Mastech	HY3003-3	0-30/3; 0-30/3; 5/3	195	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	29	249.95	224.95
211684	Mastech	HY3003D-3	0-30/3; 0-30/3; 5/3	195	115 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	29	299.95	269.95
2145828	Uniteq	PS-2303	0-30/3; 0-30/3; 5/3	195	110-120 @ 50-60Hz	4-Digital LED (3.5)	Y	Y	9.6 x 5.5 x 13.6	17.6	324.95	299.95
301955	Mastech	HY3005D-3	0-30/5; 0-30/5; 5/3	195	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	29	349.95	314.95
2145801	Uniteq	PS-3303	0-30/3; 0-30/3; 5/3	195	110/220 @ 50/60Hz	4-Digital LED (3)	Y	Y	11.8 x 8.7 x 5.8	11.1	349.95	—
197991	Extech	382213	0-30/3; 5/0.5; 12/0.5	98.5	110/120 @ 50-60Hz	2-Digital LCD (3)	Y	Y	6 x 5.6 x 9.5	11	199.99	189.95
197982	Extech	382203	0-30/3; 5/0.5; 12/0.5	98.5	110/120 @ 50-60Hz	2-Analog	Y	Y	6 x 5.6 x 9.5	11	169.99	159.95
1939618	Extech	382270	0-30/5; 0-30/5; 3-6/3; 8-15/1	334.5	110-127/220-240 ±10% *	4-Digital LED (4)	Y	Y	10.2 x 6.3 x 14.5	26.5	459.99	434.95

* Selectable



13.8VDC Precision Regulated Power Supplies

- Heavy duty 5'8" 3-prong power cord
- Illuminated rocker switch
- Short-circuit protected
- Fuse protected
- Output mating terminals: see pg 130 for banana terminal plugs

* Web Code: YEH



138668
Banana terminal (rear)



138676
Banana terminal

Part No.	Manufacturer	Cross Ref. No.	Power (W)	Output Volts @ Curr.	Input Voltage	Output Terminals	Size (L" x W" x H")	Wt. (lbs.)	1	5	25
138668	BenchPro	38-381	138.0	13.8VDC @ 10A	115VAC @ 60Hz	Banana terminals (rear)	7.0 x 6.6 x 4.3	10.0	\$64.95	\$59.95	\$54.95
138676	BenchPro	52-192012	276.0	13.8VDC @ 20A	115VAC @ 60Hz	Banana terminals	10.0 x 7.8 x 4.4	15.9	109.95	94.95	84.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Test Leads, Cables, Plugs, Clips & Posts



Test Leads and Cables

* Web Code: RAC



Part No.	Manufacturer	Product No.	Description	Size (L")	1	10	25
159871	Pomona	2249-C-36-R	BNC male to male cable, RG58C/U, 50Ω, 20 AWG, black	36	\$16.25	\$15.49	\$14.75
159880	Pomona	2249-C-60-R	BNC male to male cable, RG58C/U, 50Ω, 20 AWG, black	60	19.95	18.95	17.95
2113877	Pomona	3957	BNC male to Multi-Stacking banana plugs (2nd End)	1.55	15.95	15.25	14.49
176971	Pomona	4532-C-36-R	BNC male to Mini alligator clips w/ strain relief, RG58C/U, 50Ω, 20AWG, blk	36	19.95	17.95	16.95
11384	BenchPro	GCA26-R-R	BNC male to Alligator clip, RG58/U, black	23	4.49	3.95	2.95
11464	BenchPro	05-A-078-R-R	BNC male to Mini-clip test lead, RG174A/U, black	39	4.49	3.95	3.59
11422	BenchPro	05-A-081-R-R	BNC male to Micro-clip test lead, RG174A/U, black	39	4.25	3.95	3.59
2097150	Pomona	5187-C-36-R	BNC male to MiniGrabber test leads, RG58C/U 50Ω, 20 AWG, black	36	19.95	18.95	17.95
176954	Pomona	5187-K-36-R	BNC male to MiniGrabber test leads, RG174/U 50Ω, 26 AWG, black	36	28.49	26.95	25.49
256832	BenchPro	CBB-069-R	BNC female to pigtail, 20 AWG, 2 wire, 1 black, 1 red	7	5.49	4.95	4.49
2097555	BenchPro	CBB-070-R	BNC male to pigtail, 20 AWG, 2 wire, 1 black, 1 red	9	5.49	4.95	4.49
2113869	Pomona	3788	BNC female Minigrabber test clips (2nd end)	2.56	11.95	10.95	10.49
2158477	BenchPro	FC16A-R	Probes w/ right angle banana, screw on alligator clips, 1 black, 1 red	40	8.95	7.95	6.95
212222	Probe Master	8043S	Softie test probe leads, 10-pc. set, interchangeable tips, 18 AWG, 1 blk, 1 red	48	26.95	25.95	24.95
174625	Probe Master	8150	Micro-tip test probe leads rt. angle (w/10 plunger type tips), 1 blk, 1 red	39	36.95	33.95	31.95
168516	BenchPro	GA-5010	Universal test lead kit w/ 12 interchangeable tips, 1 black, 1 red	36	8.95	7.95	6.95
2113914	Pomona	5953A	Adjustable tip test probe set, tip adjusts up to 3", 1 black, 1 red	48	25.95	22.95	21.95
155951	Pomona	5519A-R	Banana plug to rt. angle probe, insulated leads, 18 AWG 1 blk, 1 red	48	15.49	13.95	13.25
1814153	Pomona	1166-48-0	Multi-stacking banana plug to alligator clip, black	48	6.25	5.75	5.25
77738	BenchPro	GF19-R-R	Protected banana style multimeter test leads, 1 black, 1 red	40	5.95	5.49	4.95
77746	BenchPro	FC-15B-R-R	Standard banana style multimeter test probes, 1 black, 1 red	42	7.49	6.75	5.95
10444	BenchPro	GAL01	Alligator clip test leads, 24 AWG (19/36) 10-pc. assorted colors	15	4.95	4.49	3.95
159901	Pomona	B-24-02-R	Stackable banana patch cords, 18 AWG, 1 black, 1 red	24	10.25	9.75	9.25
159919	Pomona	B-36-02-R	Stackable banana patch cords, 18 AWG, 1 black, 1 red	36	10.25	9.75	9.25
77842	BenchPro	KLN-4-25/H-R-R	Stackable banana patch cords, 18 AWG, 2 ea. (blk,red,blue,white,yellow)	9.8	26.95	23.95	20.95
1814137	Pomona	1166-12-0	Alligator clip to stackable banana plug, 18 AWG, black	12	5.75	5.25	4.75
1814145	Pomona	1166-12-2	Alligator clip to stackable banana plug, 18 AWG, red	12	5.75	5.25	4.75
1814161	Pomona	1166-48-2	Alligator clip to stackable banana plug, 18 AWG, red	48	6.25	5.75	5.25
107423	BenchPro	GCA340-R-R	Double banana plug to alligator clip test leads, 1 black, 1 red	36	3.95	3.59	3.19
159899	Pomona	3782-36-02-R	Mini-clip w/ stackable banana test leads, 20 AWG, 1 black, 1 red	36	12.95	11.95	11.25
21857	BenchPro	05-A-082-R-R	Mini-clip to stackable banana test leads, black	39	3.95	3.49	2.95
21865	BenchPro	05-A-079-R-R	Mini-clip to stackable banana test leads, red	39	3.95	3.49	2.95
135299	BenchPro	SF-207A-R-R	Mini-clip test leads, 26 AWG, 5 sets (blue, black, yellow, red, green)	14	10.95	9.95	8.95
156495	Pomona	5523-R-R	MiniGrabber™ test clip patch cord, 20 AWG 10-pc. assorted colors	24	43.95	41.95	39.95
155985	Pomona	2708B-R	9 slot test lead holder, accepts RG213 & RG214 wire sizes (blue)	11	12.95	12.25	11.49
155977	Pomona	4408-R	10 slot test lead holder, accepts RG59 & RG108 wire sizes (black)	11	10.95	9.95	9.49
155969	Pomona	1508-R	14 slot test lead holder, accepts RG58 & RG142 wire sizes (orange)	11	12.95	11.95	11.49



Test Clips, Plugs and Posts

* Web Code: TLC



Part No.	Manufacturer	Product No.	Description	Size (in.)	1	10	100
71240	BenchPro	GIP-003-R-R	Binding post, screw type, chassis mount 1 black, 1 red	1.0 L x .50 Dia.	\$1.65	\$1.49	\$1.35
77691	BenchPro	GIP-001-R-R	Binding post, screw type, chassis mount 1 black, 1 red	1.8 L x .50 Dia.	1.75	1.59	1.39
1582188	Keystone	6092-R	Banana jack, chassis mount, 0.182" solder tab, black	.937 L x .433 Dia.	1.59	1.39	1.25
1582170	Keystone	6091-R	Banana jack, chassis mount, 0.182" solder tab, red	.937 L x .433 Dia.	1.39	1.29	1.19
2168528	BenchPro	0584-BLK	Banana jack, chassis mount, solder tab, tin-plated, black	0.91 L x .43 Dia.	1.09	.99	.89
2168536	BenchPro	0584-RED	Banana jack, chassis mount, solder tab, tin-plated, red	0.91 L x .43 Dia.	1.09	.99	.89
256779	BenchPro	R1-17-BLK-R-R	Panel mount tip jack; 1/4"-32 thread, black (10 pc. pkg)	.988 L x .29 Dia.	7.49	6.75	5.95
125197	BenchPro	GBRR2-R-R	Screw mount double binding/banana post, black/red	1.6 L x 1.4 W	3.95	3.49	2.95
72195	BenchPro	GBP205-R-R	Set screw banana plug, 1 black, 1 red	1.6 L x .40 Dia.	1.59	1.45	1.29
137526	BenchPro	HP-2234P-R-R	Set screw banana plug, 1 black, 1 red	2.3 L x .30 Dia.	3.49	2.99	2.49
159855	Pomona	1325-02-R	Solderless stackable banana plug w/ set screw, 1 black, 1 red	1.55 L x .17 Dia.	3.35	3.19	2.95



Continued on next page

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Test Clips, Plugs and Posts (Continued)

More images on previous page

*Web Code: TLC

Part No.	Manufacturer	Product No.	Description	Size (in.)	1	10	100
159863	Pomona	1825-02-R	Solderless stackable banana plug w/ safety collar, 1 black, 1 red	4.59 L x .39 Dia.	\$3.65	\$3.45	\$3.25
125210	BenchPro	GBRR4-BLK-R	Solderless stackable double banana plug, w/ wire guide, black	1.59 L x 1.20 W	2.25	1.95	1.75
125218	BenchPro	GBRR4-RED-R	Solderless stackable double banana plug, w/ wire guide, red	1.59 L x 1.20 W	1.75	1.49	1.35
159927	Pomona	MDP-02-R	Solderless stackable dbl banana plug, w/ wire guide, red (set of 2)	1.55 L x 1.18 W	5.75	5.49	5.19
11440	BenchPro	03-701A-R	BNC female to standard double banana plug, black	2.03 L x 1.7 W	4.95	4.49	3.95
125225	BenchPro	GB2BR2	BNC male to standard double banana plug, black	2.21 L x 1.8 W	5.49	4.95	4.49
125233	BenchPro	GB1BN2	BNC female to double binding/banana posts, black	2.14 L x 1.8 W	4.95	4.49	3.95
99355	BenchPro	GB2BN2-R	BNC male to double binding/banana posts, black	2.35 L x 1.7 W	4.95	4.49	3.95
114810	BenchPro	G2P004-R	Micro test clip, 1 red, 1 black	1.7 L	1.59	1.45	1.29
153163	BenchPro	SF-207-BL-R	Micro test clip, blue	1.7 L	.75	.69	.59
114818	BenchPro	G2P002-R	Mini test clip, 1 black, 1 red	3.5 L	2.25	1.95	1.75
248921	BenchPro	SF101CP-R	Mini alligator clip, solder/crimp (set of 2)	1.2 L x .30 W	.39	.35	.29
248939	BenchPro	SF-103CP-R	Mini alligator clip, solder/crimp (set of 2)	1.6 L x 0.3 Dia.	.55	.49	.45
256525	BenchPro	SF105B-R	Alligator clip, barrel/screw, 2" (set of 2)	2.0 L x .20 Dia.	.55	.49	.45
70991	BenchPro	GIP006-R	Insulated alligator clips, 1 black, 1 red	2.3 L x .50 W	.55	.49	.39
248962	BenchPro	SF-103SV-BK	Black insulator sleeve for PNs 248939 & 256525 (set of 2)	2.1 L x .20 Dia.	.35	.29	.25
248972	BenchPro	SF103SV-RD-R	Red insulator sleeve for PNs 248939 & 256525 (set of 2)	2.1 L x .20 Dia.	.35	.29	.25
1582065	Keystone	5012-R	Looped color coded test point, white	.45 L x .063 Dia.	.25	.22	.19



153163



248921



248939



256525



70991



248962



248972



1582065

JAMECO BenchPro Test Lead Starter Kit

*Web Code: TLC



This kit includes our top selling test leads at a reduced price.

Includes one of each:

- BNC female-to-pigtail cable (P/N 256832)
- BNC male-to-pigtail cable (P/N 2097555)
- BNC male-to-alligator clip (P/N 11384)
- BNC male-to-mini clip (P/N 11464)
- BNC female-to-micro clip (P/N 11422)
- Mini clip to stackable banana test leads (P/N 21857)
- Double banana plug to alligator clip test leads (P/N 107423)
- Protected probes (P/N 21865)
- Protected multimeter test leads
- Standard banana-style multimeter test leads (P/Ns 77738/77746)
- Anti-static wrist strap (P/N 34552)

Part No.	Description	1	5	25
2113236	Test lead starter kit	\$39.95	\$36.95	

26-Piece SAE Hobby Tool Set

- 4-1/2" long nose pliers
- 4-1/2" diagonal cutting pliers
- #1 & #2 Phillips bits
- #1 & #2 pozi bits
- 3/16" & 1/4" slotted bits
- Hex to 1/4" driver adapter
- Compact carrying case
- T-10, T-15, and T-20 Torx bits
- Driver handle
- 3" extension bar for 1/4" drive
- Tweezers
- 3 slotted and 3 screw driver precision set
- 3/16", 1/4", 11/32" and 3/8" sockets for 1/4" drive
- Size: 12.0"L x 9.0"W x 2.0"H
- Weight: 1.5 lbs.

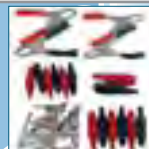


Part No.	Description	1	5	25
170069	26-pc. SAE tool set	\$15.95	\$14.49	\$12.95

ELECTRICAL CLIP KIT

Various-sized alligator clips and charging clips. Great for repairing broken leads and making jumper leads. 28 pieces.

Part No.	Mfr. Part No.	1	5
2168430	37128	\$5.95	\$5.49



JAMECO BenchPro 40-Piece Electronic Tech Tool Kit

- Kit includes:
 - Wire cutters/ stripper
 - Adapter bit for sockets
 - Pocket clip screwdriver
 - 10-pc screwdriver set
 - T10-T25 reversible
 - Torx screwdriver bits
 - Potentiometer alignment tools
 - 3/16"-1/2" S.A.E. nut driver sockets
 - 6mm-12mm metric nut driver sockets
 - Slotted and Phillips screwdriver bits
 - Extra long 3-claw parts holder
 - IC inserter with pin straightener
 - IC extractor
- Size: 9.5"L x 6.8"W x 1.4"H
- Weight: 1.7 lbs.



Part No.	Description	1	5	25
119183	40-piece tool kit	\$24.95	\$22.49	\$19.95

JAMECO BenchPro 51-Piece Tech Tool Kit

- Kit includes:
 - Storage box
 - 4 pliers
 - Tweezers
 - Scissors
 - 7-piece hex key set
 - PVC insulated tape
 - Multimeter
 - 10-piece screwdriver set
 - Utility knife (3 blades)
 - 2 Needle files
 - 3-piece soldering aid kit
 - Desoldering pump
 - 6-piece electronic screwdriver set
 - Soldering iron with stand and sponge
- Case features removable pallets, a combination lock and a cushioned black plastic handle
- Size: 12.5"L x 17.5"W x 3.5"H
- Weight: 10.4 lbs.



Part No.	Description	1	5
26681	51-piece tool kit	\$139.95	\$129.95

JAMECO BenchPro 65-Piece Master Electronics Tool Kit

GOLDTOOL

Simply every tool needed for field repair or installation. All in a handsome lockable case, with room for spare parts or special equipment.

- Kit includes:
 - 7 pliers
 - Storage box
 - Wrench
 - 3-piece soldering aid kit
 - Soldering iron with stand and sponge
 - 10-piece screwdriver set
 - Brush
 - 6-piece screwdriver set
 - Desolder pump
 - Testing screwdriver
 - IC extractor
 - 7-piece hex set
 - 6-piece wrench set
 - PVC insulated tape
 - Solder core
 - Heat sink
 - Measuring tape
 - Desolder wick
 - Crimping tool
 - Oil can
 - 5-piece file set
 - Alignment tool
 - Flashlight
 - 3-prong holder
 - Hammer
 - Scissors
 - Part tube
 - Utility knife (3 blades)
 - Tweezers
- Carrying case has two removable pallets, adjustable compartments, and combination locks
- Size: 18.0"W x 13.0"D x 4.0"H
- Weight: 16.0 lbs.



218245

Part No.	Manufacturer	1	5
2157685	Goldtool	\$139.95	\$125.95
218245	BenchPro	179.95	169.95

*Tool Kits — Enter Web Code CAA

JAMECO BenchPro Aluminum Tool Case

Made of lightweight aluminum, this tool case is designed to take rough field use.

- Size: 19.0"L x 14.0"W x 6.0"H

Includes: Tool pallet, egg carton foam lid and 2.5" thick pre-cut foam bottom



Part No.	Description	1	5
261877	Tool/equipment case	\$49.95	\$44.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

JAMECO
BenchPro

100-Piece Professional Electronics Tool Kit

- Kit includes:
 - Soldering iron
 - 12 screwdrivers
 - 7-piece hex key set
 - Extractor
 - 4 Pliers
 - Adjustable wrench
 - Crimper/Stripper
 - 6-piece screwdriver set
 - 3-piece soldering aid kit
 - Flashlight
 - Desoldering pump
 - Multimeter
 - Tweezers
 - 5-piece file set
 - 10-piece wrench set
 - Voltage tester
 - 2 bottles cleaning liquid
 - Blade cutters
 - Cordless screwdriver kit (bits included)
- Aluminum case features removable pallets, surface-type locks, and black plastic handle
- Size: 18.0"L x 14.0"W x 6.0"H • Weight: 20 lbs.

Part No.	Description	1	5
242851	100-piece tool kit	\$149.95	\$134.95

JAMECO
BenchPro

135-Piece Engineer's Service Tool Kit

- Kit includes:
 - Crimper
 - Wire stripper
 - Soldering iron & kit
 - Desoldering pump
 - Multimeter
 - Measuring tape
 - Screwdriver with 8 tips
 - Precision screwdriver set
 - 52-piece socket set
 - 11-piece wrench set
 - 13-piece knife set
 - Carrying case
- Needle file set
- Tweezers
- Scissors
- Spring hook
- Folding wrench

Part No.	Description	Price
2129932	135-piece tool kit	\$219.95

JAMECO
BenchPro

116-Piece Tech Service Tool Kit

- Kit includes:
 - Storage box
 - 8 pliers
 - Tweezers
 - Spring hook
 - 3-piece soldering aid kit
 - Desoldering pump
 - 3-piece alignment tool set
 - Diagonal cutter
 - Soldering iron
 - Forceps
 - 9-piece screwdriver set
 - Wire stripper
 - 5-piece file set
 - Flashlight
 - 3-prong holder
 - PVC insulated tape
 - Heat sink
 - Measuring tape
 - 6-piece electronic screwdriver set
 - 40-piece socket & screwdriver set
 - 10-piece electronic wrench set
- Drill
- Desoldering wick
- Brush
- Crimping tool
- Extractor
- 7-piece hex key set
- Hammer
- Solder core
- Wrist strap
- Inspection Mirror

Part No.	Description	1	5
149024	116-piece tool kit	\$295.95	\$269.95

JAMECO
BenchPro

95-Piece Pro-Tech Tool Kit

- Kit includes:
 - Navy blue storage box
 - 7-piece hex key set
 - 5-piece needle file set
 - 10-piece wrench set
 - 8 different pliers
 - 6-piece precision screwdriver set
 - Plastic flip-top box
 - 29-pc. socket wrench set
 - Wire stripper/crimper
 - Cushion grip screwdrivers
 - Hammer
 - Inspecting mirror
 - Tape measure
 - Digital multimeter
 - Lead-free solder core
 - Desolder pump
 - 6" chrome-plated wrench
 - Stainless steel tweezer
- 30W soldering iron
- Cleaning brushes
- Aluminum flashlight
- Mini drill with drill bits
- Mini hobby vise
- Elastic wrist strap
- IC extractor
- Electrical tape
- Size: 18.4"L x 13.4"W x 6.4"H

Part No.	Description	1	5
2153756	95-piece tool kit	\$225.95	\$215.95

JAMECO
BenchPro

119-Piece Chrome Vanadium Tool Kit

- Kit Includes:
 - 13-piece combination wrench set
 - 52-piece socket tool set
 - 2 adjustable wrenches 6" and 8"
 - 7-piece nut screwdriver set
 - 8-piece (SAE), 8-piece (Metric) hex-key set
 - 5-piece torx screwdriver set
 - 8-piece screwdriver set
 - 1 water pump plier
 - 2 lock grip pliers 5" and 7"
 - 1 combination leveler
 - 6-pliers
 - 1 wire stripper
 - 6" tape measure
 - 2 pliers off set
 - 1 claw hammer
- Sockets and wrenches are chrome vanadium plated
- High resistant aluminum case
- Size: 19.3"L x 14.6"W x 6.5"D • Weight: 31.2 lbs.

Part No.	Description	Price
2129941	119-piece tool kit	\$139.95

JAMECO
BenchPro

Variable High-Speed Drill Rotary Tool Kit

- Speed: 6000~32000rpm
- Motor power: 130W
- Collet capacity: 3.2mm
- 28 pcs. sanding/grinding bit set
- Case included, 2.2 lbs.
- Variable speed selector

Part No.	Description	1	5
2118977	Variable rotary tool kit	\$34.95	\$29.95

JAMECO
BenchPro

Nibbling Tool

- Perfect for cutting, trimming, or notching sheet metal up to 18 AWG
- Time-saver when working on prototyping, chassis, and circuit boards
- Minimum 0.375" hole required
- Size: 7.8"L

Part No.	Mfr. Part No.	Description	1	10
18810	HT204	Nibbling tool	\$7.95	\$6.95
29331	HT204B	Replacement bit	3.95	3.59

JAMECO
BenchPro

Impact Punch-Down Tool and Blades

- Reversible clip-in blade
- Adjustable (HI-LO) spring-loaded impact mechanism
- Storage bin on handle for spare blade (easy pushbutton release)
- Can be used with both 110 blade (P/N 175089) and 66 blade (P/N 324021)
- Blades not included
- Color: blue/yellow
- Size: 5.7"L x 1.0"W



Part No.	Description	1	5
2150387	Impact tool w/o blades	\$21.95	\$19.95
175089	Punch-down blade 110	11.95	10.95
324021	Punch-down blade 66	9.95	8.95

JAMECO
BenchPro

Automatic Center-Punch Tool

- Adjustable • Alloy steel point
- Precision instrument
- Knurled steel body • Size: 5.0"L x 0.5"Dia.

Part No.	Description	1	10
160282	Center punch tool	\$6.95	\$6.49

JAMECO
BenchPro

5-Piece Needle File Set

- Round, square, tri-square, half-round, flat
- Made of heavy duty hardened steel
- Color: black with red handle • Each 7" long

Part No.	Description	1	5	25
2157589	5-piece file set	\$4.95	\$4.49	\$3.95

JAMECO
BenchPro

Pocket Screwdriver

- Phillips & Flat head
- Pen clip for pocket storage
- 6"L pocket screwdriver

Part No.	Description	1	10	100
127271	6"L pocket screwdriver	\$1.95	\$1.59	\$1.39

JAMECO
BenchPro

Pocket Deburring Tool

- Easily smooth out sharp-edged holes
- Swivel movement
- Pocket clip • Size: 5.5"L

Part No.	Description	1	5	25
2157597	Pocket deburring tool	\$6.95	\$6.25	\$5.59

JAMECO
BenchPro

Precision Cutting Knife

- Ultra sharp cutting blades
- Precise blade with protective cover
- 6.0"L

Part No.	Size	1	5	25
2157571	6.0"L	\$3.95	\$3.59	\$3.29

JAMECO
BenchPro

Deluxe Precision Knife Set

- Three different knife handles – fine work, medium and heavy duty power grip
- Size: 6.3"L x 2.8"W x 1.4"H
- Includes: 13 types of blades

Part No.	Description	1	10	100
72768	13 blade knife set	\$8.95	\$7.95	\$6.95

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

Crimpers, Strippers, Cutters & Miscellaneous Tools

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN



Wire Cutters/Strippers/Crimpers

* Web Code: GBU



Part No.	Description	Functions			Size (L" x W")	Additional	Pricing	
		Cut	Strip	Crimp			1	5
2112241	Flat cable cutter with blade-lock	✓			6.5 x 2.0	Spring-loaded handle, provides clean cut	\$2.49	\$1.95
179902	4" leaf spring cutters	✓			4.0 x 2.6	Side and flush cutting, made of forged steel, cushion grip	3.95	3.59
34658	5.3" heavy duty diagonal flush cutters	✓			5.3 x 2.2	Forged steel, heat-treated, insulated grips	3.95	3.49
2123320	4.5" spring return cutters	✓			4.5 x 2.6	Side and flush cutting, made of carbon steel, vinyl grip	4.95	4.49
35482	4.3" Diagonal wire cutters	✓			4.3 x 2.1	Durable rubber handles, 0.5" cutting blade, 45° blade	6.95	6.49
146712	5" general purpose shearcutters	✓			5.0 x 2.5	Flush cutting, red cushioned grips	6.95	6.49
161411	5" Diagonal wire cutters	✓			5.0 x 1.8	Insulated handles, 0.5" cutting blade, cuts 0.08mm fine wire	7.95	7.49
146739	4" semi-flush oval head cutters	✓			4.2 x 1.8	Diagonal semi-flush cutting, green cushioned grips	17.95	16.95
217921	4" oval head-flush diagonal cutters	✓			4.3 x 1.8	Flush cutting, green cushioned grips, spring return	19.95	17.95
1536974	5" tapered head diagonal cutters	✓			5.0 x 2.5	Flush cutting, green cushioned grips	18.95	17.95
217904	4" tapered head diagonal cutters	✓			4.2 x 1.8	Flush cutting, green cushioned grips, narrow tips	18.95	17.95
217867	4" slim line tapered head cutters	✓			4.2 x 1.9	Diagonal flush cutting, green cushioned grips	18.95	17.95
2112292	UTP/STP wire stripper, 3-24 AWG		✓		3.5 x 1.3	Strips shielded, unshielded, and twisted pair cable	2.95	2.49
159185	2-blade rotary coax cable strippers		✓		3.9 x 0.7	4 settings for cable sizes 4-12mm, RG58/59/62/174, grey	12.95	11.95
114535	Ratcheted BNC crimper			✓	8.5 x 2.5	Crimps RG58, RG59, RG62, RG174, and fiber optic	22.95	21.95
78992	5" wire cutter/strippers, 10-30 AWG	✓	✓		5.0 x 3.0	Insulated handles, spring return, screw-adjustable wire gauge	4.49	3.95
215889	5" wire cutter/strippers, 10-24 AWG	✓	✓		5.0 x 3.0	Insulated handles, spring return, dial to adjust wire gauge	4.49	3.95
159274	5" wire cutter/strippers, 20-24 AWG	✓	✓		5.0 x 3.0	Spring-loaded, insulated grips, cutter angled at 45°	4.95	4.49
2112284	Automatic wire strippers, 10-24 AWG	✓	✓		6.8 x 3.2	Spring-loaded handle with wire stopper for length	8.95	7.95
99443	Non-insulated terminal D-sub crimper	✓		✓	7.3 x 1.5	Crimps D-sub and most popular non-insulated terminals	9.95	8.95
159291	6.6" wire cutter/strippers, 20-30 AWG	✓	✓		6.6 x 2.0	Steel wire cutter, wire loop, scale markings in AWG and mm	9.95	8.95
159266	D-sub crimper, 20-28 AWG	✓		✓	7.0 x 4.0	Crimps D-sub pins and sockets, weight: 9 oz.	11.95	10.95
161200	6" wire cutter/strippers	✓	✓		6.0 x 2.0	Strips 12-20 AWG stranded, 10-18 AWG solid, plier nose	14.95	14.49
161218	6" wire cutter/strippers	✓	✓		6.0 x 2.0	Strips 16-26 AWG stranded, 14-24 AWG solid, plier nose	16.95	15.95
175098	Automatic wire strippers, 8-22 AWG	✓	✓		7.0 x 3.5	Spring-loaded handle with wire stopper for length	16.95	15.49
18797	7-in-1 wire-handling tool, 10-18 AWG	✓	✓	✓	6.6 x 3.0	Steel wire cutter, wire loop, scale markings in inches and mm, red	5.95	5.49
127862	7-in-1 wire-handling tool, 16-26 AWG	✓	✓	✓	6.6 x 3.0	Steel wire cutter, wire loop, scale markings in inches and mm, blue	5.95	5.49
127871	7-in-1 wire-handling tool, 22-30 AWG	✓	✓	✓	6.6 x 3.0	Steel wire cutter, wire loop, scale markings in inches and mm, orange	6.95	6.49
2153078	8.5" wire cutter/crimper/stripper	✓	✓	✓	8.5 x 3.0	Ergonomic grip, 10-22 AWG, detailed wire gauge markings	9.95	8.95
114527	Metal modular connector crimper	✓	✓	✓	8.0 x 2.7	Crimps 6P and 8P plugs with cable stripper/wire cutter	19.95	18.95
159312	Ratcheted modular connector crimper	✓	✓	✓	7.5 x 3.0	Crimps RJ45 (8P8C) and RJ11/12 (6P6C) plugs, insulated grip	22.95	19.95
174676	Modular cut/crimp/strip tool with blade	✓	✓	✓	8.5 x 2.2	Crimps RJ11 and RJ45 modular plugs, repeatable crimping	27.95	25.95

Test/Tools



34-Piece Security Bit Set

molex Hand Tools for Mini-Fit™ Jr.

These bits match the security fasteners commonly used in today's electronic products.

Includes: Torx bits: #6, #8 and #10; Tri-wing bits: #1, #2, #3 and #4; Security hex bits: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" 3/16" and 1/4"; Security Torx bits: T8, T10, T15, T20, T25, T27, T30, T35 and T40; Spanner bits: 4, 6, 8 and 10mm; Phillips bits: #1, #2, #3 and #4; and 60mm magnetic bit extension that fits 1/4" hex driver



Part No.	Description	1	10
223829	32-piece security bit set	\$13.95	\$12.95



304928: Accepts wire range from 14-24 AWG
Insulated small handle spread design
Great for open-barrel terminals

304936: For the removal of Mini-Fit Jr™ Crimped Terminals Series from their housings

Part No.	Mfr. Part No.	Description	1	5
304928	63811-1000	Crimp tool	\$49.95	\$44.95
304936	11-03-0044	Extraction tool	19.95	18.95

*Crimping Tools — Enter Web Code GBU

22 AWG Solid Hook-Up Wire

- Temperature range: -55°C to +105°C
- Great for use w/ breadboards on pg 143

Length	1	5	10
25'	\$3.95	\$3.59	\$3.29
100'	7.95	6.95	5.95
1000'	59.95	54.95	49.95

Color	25 Feet	100 Feet	1000 Feet
Black	2152876	36792	36805
Blue	2152884	36768	36776
Green	2152892	36822	36840
Red	2152905	36856	36864
White	2153553	36881	36899
Yellow	2152921	36920	36928

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Xcelite[®] EXIMCORP

Pliers

★ Web Code: XPC



Part No.	Manufacturer	Description	Length	1	5
94530	Eximcorp	Square nose pliers with cutters, serrated jaws, forged steel, heat-treated, insulated grips	4.75"	\$1.95	\$1.75
34746	Eximcorp	Standard bent oval nose pliers with cutters, serrated jaws, forged steel, heat-treated, insulated grips	5.25"	2.39	2.09
34826	Eximcorp	Slim bent oval nose pliers with serrated jaws, forged steel, heat-treated, insulated grips	6.0"	2.49	1.95
98976	Eximcorp	Sportman's straight square pliers, forged steel, heat-treated, insulated grips	6.25"	2.49	2.29
34796	Eximcorp	Bent oval nose pliers with serrated jaws, forged steel, heat-treated, insulated grips*	4.5"	2.95	2.69
94512	Eximcorp	Standard square nose pliers with serrated jaws, forged steel, heat-treated, insulated grips	5.5"	2.95	2.49
94554	Eximcorp	Standard nipper nose pliers, spring-loaded, forged steel, heat-treated, insulated grips*	4.25"	2.95	2.69
94562	Eximcorp	Slim nipper nose pliers, spring-loaded, forged steel, heat-treated, insulated grips	5.25"	2.95	2.49
94546	Eximcorp	Straight square nose pliers serrated jaws, forged steel, heat-treated, insulated grips*	6.0"	3.95	3.49
34762	Eximcorp	Standard bent oval nose pliers with cutters, serrated jaws, forged steel, heat-treated, insulated grips*	7.0"	3.95	3.49
104257	Eximcorp	Sportman's straight square pliers, forged steel, heat-treated, insulated grips*	8.0"	3.95	3.69
104249	Eximcorp	Electrician's pliers with cutters, serrated jaws, forged steel, heat-treated, insulated grips*	8.25"	2.95	2.49
98993	Eximcorp	Sportman's square bent pliers, forged steel, heat-treated, insulated grips*	7.5"	4.95	4.49
35474	BenchPro	Flat long nose, stainless steel, spring return, durable rubber handles, knurled jaws	5.3"	4.95	4.49
35491	BenchPro	Half round long nose, stainless steel, spring return, durable rubber handles, knurled jaws	5.3"	4.95	4.49
177608	BenchPro	Half round long nose, drop forged steel, heat treated, spring return, vinyl grips, knurled jaws	4.5"	4.95	4.49
34712	Eximcorp	Needle oval nose pliers with cutters and serrated jaws, forged steel, heat-treated, insulated grips*	5.25"	5.49	4.95
42104	Eximcorp	Needle flat nose pliers with serrated jaws, forged steel, heat-treated, insulated grips*	5.25"	5.95	5.49
2157642	BenchPro	Snap ring plier, for internal-external use, effective range: 18-48mm (straight)	8.0"	8.95	8.49
217891	Xcelite	Subminiature needle nose pliers, cushioned grips, general purpose use	4.0"	17.95	16.95
152055	Xcelite	Shearcutter pliers set with 5.6" needle nose plier and 5.2" electronic flush cutter, made of carbon steel	5.6" / 5.2"	17.95	16.95
73121	BenchPro	5-Piece precision stainless steel pliers set (micro cutting, micro round, long nose, flat nose, bent nose)	—	18.95	17.95
217998	Xcelite	Thin long nose pliers with cushioned grips, smooth jaws, general purpose use	5.0"	18.95	17.49
146721	Xcelite	Long needle nose flat pliers with cushioned grips, smooth jaws, general purpose use	5.0"	19.95	18.95
2100161	BenchPro	10-piece pliers & cutters tool kit with the pliers above marked with an * (asterisk) and cutter P/N 34658 (pg 132)	—	29.95	26.95

Hi-Speed Steel Step Drill Bit & Set

Drill multiple holes in thin material with the same bit, faster and easier. Each bit does the work of many drill bit sizes. You can drill holes in most materials such as plastic, metal, and wood up to 1/8" thick.

- Heat-treated, high speed steel with titanium coating
- 2 flute design for faster, smoother and cleaner cuts

229657: • 3/8" round shank

2169731: • 1/4" quick change hex shank
• Includes 3 pieces: 3/16" - 1/2" 6-step;
1/4" - 3/4" 9-step; 1/8" - 1/2" 13-step

Part No.	Description	1	10
229657	3/16" - 7/8" 13-step	\$14.95	\$13.49
2169731	3-piece set	16.95	15.95

★ Drill Bits — Enter Web Code NEJ

PC Board Drill Bits

- Shaft diameter: 0.125"
- Use for drilling holes in glass PC boards

Part No.	Size	Diameter	1	10	100
1919537	1/8	0.125"	\$1.49	\$1.25	\$.95
1919588	31	0.120"	1.49	1.25	.95
1919300	32	0.116"	1.49	1.25	.95
1919609	33	0.113"	1.49	1.25	.95
1919553	35	0.110"	1.49	1.25	.95
1919570	38	0.102"	1.49	1.25	.95
16580	59	0.040"	2.49	2.25	1.95
16619	75	0.021"	2.49	2.25	1.95

20 ASSORTED
DRILL BIT
GRAB BAG

P/N 2082038
See page 33

ONLY
\$19.95

Mini-Drill and Stand

This Mini-Drill is excellent for drilling through circuit boards and protoboards. The drill comes with an array of drilling, grinding and sanding attachments. Drill stand is designed to function like a drill press.

Part No.	Description	Wt. (lbs.)	1	5	25
26702	GTT-103A drill	0.8	\$37.95	\$34.95	\$31.95
26711	GTT-104 stand	1.8	27.95	25.95	23.95

Mini-Drill Bit Kit

- Mini drill (26702)
- Mini drill stand (26711)
- Drill bit sizes 75 & 59 (P/Ns 16619/16580)

Part No.	Description	Price
2113252	Mini-drill bit kit	\$59.95

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Screwdrivers, Calipers & Miscellaneous Tools

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN



Ball-End, Hex Key, Nut Driver & Screwdriver Sets

Bondhus/Felo Products: Inferior tools cost extra money when something goes wrong. The cost of removing a stripped or broken screw head from a tight location, or replacing a damaged tool exceeds the cost of purchasing a superior tool in the first place. Get it right the first time around with these reliable tools.

- Material: Protanium high torque steel
- Ball-end inserts quickly into screw head up to 25 degrees
- Ergonomically designed anti-roll handle
- Bondhus: Made in USA; Felo: Made in Germany
- Delivers perfect balance between tip strength and working angle
- Lifetime warranty

*Web Code: CAQ

Part No.	Mfr.	Description	1	10
34041	BenchPro	6-pc. precision screwdriver set (slotted - 3/64", 1/16", 5/64", 5/32", 1/8", 9/64")	\$2.95	\$2.59
34059	BenchPro	6-pc. precision screwdriver set (Phillips #0 - 1/16", 5/64", 3/32", #1 - 1/8", 9/64")	2.95	2.59
99451	BenchPro	6-pc. long neck screwdriver set (slotted - (Dia. x L) 3/32" x 6 5/8", 1/8" x 7 5/8", 5/32" x 9 5/8", Phillips - #00 x 6 5/8"L, #0 x 7 5/8"L, #1 x 9 5/8")	10.95	9.95
99565	BenchPro	6-pc. screwdriver & plier set (slotted - (Dia. x L) 0.09" x 7 5/8", 0.312 x 9 1/2", Phillips - #2 0.09" x 7 5/8", #0 0.12" x 9 1/2", pliers - micro nipper cutter, micro flat nose pliers)	9.95	8.95
226106	BenchPro	6-pc. precision 50 mm torx screwdriver set (Torx - T5, T6, torx hex - T7, T8, T9, T10)	13.95	11.95
2096229	Felo	6-pc. screwdriver set (slotted - 9/64", 5/32", 7/32", 1/4", Phillips - #1; #2)	36.95	33.95
2157626	BenchPro	7-pc. folding hex wrench set, compact foldable design, 4" long	4.95	4.49
2119005	BenchPro	8-pc. ratcheting screwdriver bit set (3-slotted, 3 philips, 1 square)	1.95	1.79
2157634	BenchPro	8-pc. folding hex wrench set, compact foldable design, 4" long	4.95	4.49
2096350	Bondhus	8-pc. ball-end screwdriver set (.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32")	21.95	19.95
226094	BenchPro	11-pc. magnetic AWL prec. screwdriver set (slotted - .9, 1.2, 1.4, 1.8, 2.4, 3 mm, Phillips - #00, #0, #1)	3.95	2.95
2096173	Bondhus	12-pc. ball-end hex key set (.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16")	13.95	12.49
2153060	BenchPro	14-pc. mini screwdriver set with leather pouch and 12 flathead, philips, and Torx bits	12.95	11.95



30 AWG Wire Wrap/Strip Tool

Recommended for use on 0.025" (0.63mm) square posts on 0.100" (2.54mm) center grids. The first 1-1/2 loop on the modified tool has wire insulation.

- Modified wrap for 30 gauge Kynar wire (pg 45)
- Knurled handle for easy grip • 5" long
- Wire stripper stored in handle

Part No.	Description	1	5
2150361	Modified wrap tool	\$19.95	\$17.95

1/4-Watt & 1/2-Watt Resistor & Capacitor Lead Forming Tool

- Watt size indicates appropriate package size
- Bends lead length in 0.05" increments
- Lead spacing: 1/4W: 0.4"-1.5"; 1/2W: 0.5"-1.5"

Part No.	Description	Size (L" x W")	1	10
106884	1/4W & 1/2W	5.4 x 1.5	\$4.95	\$4.49

5" & 7" Steel Hemostats

- Grade 410 A.I.S.I. stainless steel
- Three locking positions

Part No.	Cross Ref. No.	Description	1	10
115107	HEM01	5" straight	\$3.95	\$2.95
115115	HEM02	5" curved	3.95	2.95
2171444	8-410	7" straight	5.95	4.95
2171452	8-412	7" curved	5.95	4.95

24" Joubert Bungee Cord

- 2.75" steel hook height
- 0.81" steel hook opening
- 0.16" thick PVC coated steel hook
- Blue cord with black coated hook
- Stretches easily to 48"

Part No.	Cross Ref. No.	1	10	100
2081668	JBC24	\$.89	\$.79	\$.69

Strip-Wrap-Unwrap Tools

- Tool tip made of tempered steel
- Spring steel cutter
- Use with 30 AWG wire on .025" square posts
- No solder necessary, see pg 45 for wire
- Wrap 1 to 2 turns of insulated portion of wire for secure connections • 4.5" long

Part No.	Mfr. Part No.	1	5
34585	HSM30 (Modified)	\$29.95	\$27.95
236785	HSR30 (Regular)	29.95	27.95

IC Pin Straightener

Straighten bent pins safely and easily with Jameco's IC pin straightener.

- Straightens 8/14/16/18/20/24/28/40/42-pin ICs
- Material: durable plastic • Size: 3.3"L x 1.5"W x 0.4"H

Part No.	Description	1	10	100
99363	IC straightener	\$7.95	\$6.95	\$5.95

6" & 12" Stainless Steel Rulers

Tough and durable for on-site measurements

- Etched markings in centimeters and inches
- Conversion table from inches to millimeters

Part No.	Cross Ref. No.	Length	1	10	100
2153107	GMT-106	6"	\$2.95	\$2.75	\$2.49
2153131	GMT-112	12"	4.95	4.49	3.95

T-Handle Reamer Tool

Excellent for aluminum chassis work

- For enlarging starter holes on panel mount components from 1/8" to 1/2" diameter
- T-handle for easy rotation of tool
- Handle: 3.3" long, tool: 5.3" long

Part No.	Description	1	10
151750	T-handle reamer	\$7.95	\$6.95

Metal Dial Caliper

Measures in inches

- Measures outside, inside & depth
- Accurate measurements every time
- Easy-to-read dial gauge
- Materials: metal • Color: silver
- Length: 6" (150mm)

Includes: Fitted plastic storage case

Part No.	Description (min. reading)	1	5	25
116126	Inches (.001 inch)	\$26.95	\$24.95	\$22.95

Digital Display Calipers

Metric and Inches

- Hardened stainless steel
- Display: inches to 0.001; mm to 0.01
- Instructions for making internal, external, depth & step measurements
- One-year warranty

Includes: Fitted case and 1.5V silver oxide battery (replacement battery, P/N 140783, pg 118)

Part No.	Description	1	5
127482	Measures 6" (150mm)	\$29.95	\$26.95
2153545	Measures 8" (203mm)	34.95	31.95

Tweezers

*Web Code: FAA

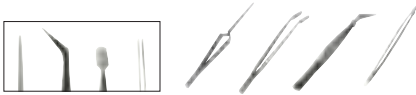
- 252929: Straight round, fine-point tip, stainless steel
- 253092: Curved fine-point tip
- 252938: Self-closing reverse-action tweezers; medium point tip; stainless steel
- 253113: Fine-point tip, insulated, anti-static
- 252912: Straight fine-point tip, tapered

Part No.	Length	Photo	1	10	25
252929	4.75"	1	\$2.95	\$2.49	\$1.95
253092	4.6"	2	2.95	2.49	1.95
252938	4.6"	3	2.95	2.49	1.95
253113	4.75"	4	2.95	2.49	1.95
252912	4.75"	5	2.95	2.49	1.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Tweezers, Magnifying Lamps & Anti-Static Products

JAMECO BenchPro 4-Piece Steel Tweezer Set



- 4 styles of stainless steel tweezers, one self-locking
- Ideal for picking up small components

Part No.	Description	1	10	100
10735	4-piece tweezer set	\$5.95	\$5.49	\$4.95

***Tweezers — Enter Web Code FAA**

4-Pc. Conductive SMD Tweezer Set



- 4 types of tweezers: fine point, flat head for 4mm SMD chip device, flat head for 8mm SMD chip device, sharp angled tip
- Each is 4.5" long

Part No.	Description	1	10
172638	4-piece tweezer set	\$9.95	\$8.95

EFD Vacuum Tweezers

Pick & place small parts of all kinds: glass slides, coins, optics, SMDs, film, etc.

- Size: 2.9"L x 0.6"W
- One-year warranty

Includes: 5 pads sizes 0.14" to 0.4"; 5 straight tips and 2 pieces 45° angle tips

Part No.	Description	1	5
88268	Vacuum pick & place kit	\$49.95	\$44.95

JAMECO BenchPro PLCC & DIP IC Extractors

***Web Code: MAB**



- Size: 4.0"L x 2.0"W

Part No.	Manufacturer	Description	1	10	100
16766	Velleman	PLCC	\$3.95	\$3.49	\$2.95
16838	BenchPro	DIP	1.95	1.75	1.49
2157600	BenchPro	3-prong	2.95	2.59	2.39

JAMECO BenchPro Anti-Static Wrist Straps

- Comfortable, adjustable black Velcro wrist strap
- The coiled grounding cord has banana plug and alligator clips
- Extended cord: 9'L (2131266: 6'L)

Includes: 1MΩ resistor for added safety

Part No.	Mfr.	Color	1	10	100
34552	BenchPro	Blk/yellow	\$6.95	\$6.49	\$5.95
2131266	Velleman	Black/yellow	4.95	4.49	3.95

Conductive Anti-Static Bags and Foam

Don't get zapped!

Protect your investment with these inexpensive bags and ensure a safe work area with our conductive anti-static foam.

13864: 24"L x 12"W x 0.25"H *Order in multiples of 10

Part No.	Description	1	10	100
249519	4" x 6" anti-static bags	*	\$1.15	\$1.10
249527	5" x 7" anti-static bags	*	.19	.12
78650	8" x 10" anti-static bags	.49	.39	.29
13864	Anti-static foam	11.95	10.95	9.95

Anti-Static Heel Strap

- Discharges static without restricting your mobility
- Ground strap length: 15.5"L

Part No.	Description	1	10	100
100328	Heel strap	\$5.95	\$5.49	\$4.95

JAMECO BenchPro Anti-Static Work Mats

Make your work environment safe from static discharge! These mats are made of attractive semi-conductive vinyl that provide adequate discharging, yet will not short leads or pins.



Part No.	Dimensions	Wt. (lbs.)	1	10	25
10576	11.3" x 22"	0.7	\$8.95	\$7.95	\$6.95
10584	19.5" x 23.5"	1.1	13.95	12.49	10.95
2130853	19.7" x 23.6"	1.1	14.95	13.95	12.95
236541	23.5" x 27.5"	1.4	24.95	22.49	19.95
2152075	24" x 48"	3.9	69.95	64.95	59.95

***Anti-Static — Enter Web Code XAA**

JAMECO BenchPro Field Service Static Kit

This mat folds easily to fit into a field service bag.

- 4 pocket for ESD safe storage
- 10" ground strap and 6" wrist strap share on one ground point
- Size: 2' x 3'



Part No.	Cross Ref. No.	1	5	25
2113720	8PK-AS07-1	\$15.95	\$14.95	\$13.95

22"L Anti-Static Plastic DIP IC Storage Rails & Rubber Rail Stops



- 29516: .300" rail fits 8, 14, 16, 18, 20 and 22-pin ICs
- 29524: .600" rail fits 24, 28, 36 and 40-pin ICs
- 29583: Rubber stops used to plug plastic rail ends

Note: previously used

*Order in multiples of 10

Part No.	Product No.	Description	1	10	100
29516	RIC20	.300"W rail	\$2.29	\$2.25	\$2.22
29524	RIC220	.600"W rail	.29	.25	.22
29583	RRS	Rubber stop	*	.09	.07

Visor Magnifier w/ Light

- Magnifying glass with dual light
- Power supply: 4 AAA batteries (not included)
- Adjustable diopter: 1.8/2.3/3.7/4.8
- Size: 7.9"L x 2.4"W x 5.5"H



Part No.	Mfr.	Part No.	Wt. (oz.)	1	10
2131119	VTMG6		5.3	\$6.95	\$5.95

LED Lighted Helping Hand

- Built-in LED light providing added visibility
- 2.5" magnifier lens with adjustable neck
- 2 alligator clips
- Soldering iron holder
- Size: 10.5"L x 5.2"W x 2.6"D
- Weight: 0.86 lbs.

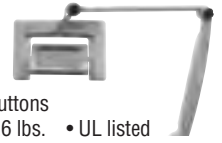


Part No.	Mfr.	Part No.	1	5
2168448	55133		\$14.95	\$13.95

***Web Code: YAU**

JAMECO BenchPro 3 Diopter, 3-Bulb Magnifying Lamp

- Three 9-watt fluorescent compact bulbs included
- Adjustable 3 diopter lens
- 7" x 4.5" rectangular lens
- 47" long arm
- 2 on/off buttons
- Color: beige
- Weight: 7.6 lbs.
- UL listed



Part No.	Description	1	5
217517	Adj. magnifying lamp	\$89.95	\$84.95

XPTRONIC Precision 5 Diopter Magnifying Lamp

- 40" arm extension
- 5 diopter lens
- 5" diameter lens
- Weight: 7.1 lbs.
- Power requirement: 110VAC/60Hz

Includes: 22W circuline fluorescent bulb

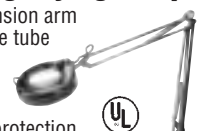
Part No.	Description	1	5
197456	Magnifying lamp	\$89.95	\$79.95



JAMECO BenchPro 3 Diopter Magnifying Lamps

- 5" diameter lens
- 45" extension arm
- Supplied w/ 22-watt circuline tube
- Extra strong, all-metal mounting base with electrical outlet
- Metal bulb holder for extra protection
- Power requirement: 110VAC/60Hz
- 3 diopter lens

Part No.	Color	Wt. (lbs.)	1	5
100829	Black	7.3	\$59.95	\$54.95
149981	White	7.3	59.95	54.95



3 Diopter Magnifying Lamp With Measurement Marking Base

- 30" arm extension
- 7" 3 diopter lens
- Adjustable plastic lens cover
- Weighted base for desktop use
- Bulb type: 4 x 3.4W LED included
- On/off switch

Part No.	Description	Wt. (lbs.)	1	5
2120330	LUX-400	21.0	\$129.95	\$116.95



JAMECO BenchPro Standard Adjustable 3 Diopter Magnifying Lamp

- 4" Diameter lens
- Maneuverable 30" arm extension
- Lamp tilts & turns in any direction
- Uses 60W incandescent bulb (not included)
- Power requirement: 110VAC/60Hz
- 3 diopter lens
- Weight: 2.9 lbs.

Part No.	Description	1	5
22710	Magnifying lamp	\$26.95	\$23.59



***Magnifying Lamps — Enter Web Code DAW**

3 Diopter Flexible Neck Magnifier

- 3.5" diameter
- 3 diopter lens
- Flexible gooseneck with workbench clamp
- Arm length: 20"
- Weight: 1.8 lbs.

Part No.	Description	1	5
239548	Flexible neck magnifier	\$12.95	\$11.49



*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

3 LEVELS OF SAVINGS
NAME BRANDS
HOUSE BRANDS
FACTORY OVERRUN

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Jameco BenchPro General Purpose Illuminated 3X Magnifier

- 3.5" Dia. x 7.5" L
- 90mm diameter lens
- Great for magnifying fine print
- Light requires 2 AA batteries (not included, recommend P/N 198707, pg 118)

Part No.	Description	1	5
149542	Illuminated magnifier	\$4.95	\$4.49

Jameco BenchPro Glue Gun and Glue Sticks

- Adheres to PCBs, cardboard, wires, metal and cloth
- Silicon nozzle
- Electronic heating
- Trigger action
- Utilizes 100mm long gluesticks (2 sticks included) • Size: 7.3"L x 6.3"W

Part No.	Description	1	5	25
72696	Glue gun	\$7.95	\$7.29	\$6.49
78633	Glue sticks (6/pk)	2.95	2.49	1.95

Weller 18-Watt Pro Series Soldering Iron

- Heats up to working temperature in just 35 seconds
- Up to 900°F temperature
- Co-molded grip for a comfortable feel
- Performance equivalent to a 60-watt iron
- Designed be self-standing, no stand is needed
- Tips use a phono jack and plug for easy tip exchange • UL and CUL listed
- Ideal for hobbies, kits, radios, and electronics

Includes: Charger and WPS10 soldering tip

Part No.	Mfr. Part No.	1	5
2153810	WPS18MP	\$27.95	\$26.49

Weller 20-Watt Soldering Iron

A high-quality, mains-powered soldering iron for general purposes.

- Power supply: 20W/110VAC
- UL approved
- Cord length: 5 feet

Includes: Iron stand

Part No.	Mfr. Part No.	1	5
2131151	VTS20U	\$6.95	\$6.39

XYTRONIC 25-Watt Thermally Balanced Soldering Iron

The XY200GX is a thermally balanced soldering iron for the professional or hobbyist.

- 120VAC; 6' cord
- 25-watt power consumption
- Interchangeable tips (pg 139)
- UL listed
- Length: 8.0"
- One-year warranty

Includes: 1.6mm conical tip

Part No.	Mfr. Part No.	1	5	25
129040	200GX-25W	\$14.95	\$13.49	\$11.95

XYTRONIC 60-Watt Replacement Soldering Iron

- Compatible with the following XYtronic soldering stations: 168-3C, 168-3CD, 9-60A, and 9-60D.

Part No.	Mfr. Part No.	1	5
214649	XY-207ESD	\$39.95	\$35.95

***Soldering Stands — Enter Web Code YAU**

NTE Heat Guns and Strippers

All Master® products are made in the US from superior quality materials and the finest craftsmanship. Heat guns are ideally suited for drying, heating, welding, shrinking, soldering, desoldering, and many other applications where heat is required.

- 2076578: • CFM selectable
- Weight: 1.0 lb.
- Includes 4 attachments & case

- 2076501: • No-slip adjustable stand
- Weight: 4.0 lbs.

- 191943: • 3-pos. switch (hot/off/cool)

Part No.	Mfr.	Product No.	Description	Watts	Heat Setting (°F)	Temp. (°F max.)	1	5
2117413	NTE	HG300-D	Mini heat gun	350	482-662	662	\$21.95	\$20.95
254925	BenchPro	1001A	Economical heat gun	1200	600 & 1000	1000	39.95	35.95
76865	BenchPro	G1HG1	Heat gun/stripper	1500	600 & 1100	1100	49.95	44.95
2076578	Master	EC-100K	Economical heat gun (7 & 9 CFM)	1200	500 & 1000	1000	56.95	53.95
2076501	Master	HG-501A	Industrial heat gun (23 CFM)	1680	750	750	119.95	109.95
191943	Weller	6996C	Industrial heat gun	250	750-800	800	149.95	139.95
2007062	BenchPro	1004	Accessory kit for 254925	—	—	—	11.95	10.95

Weller Butane Powered Cordless Soldering Iron

- Built-in on-off switch
- Can be used as a torch or hot blower
- Length: 8.5"
- Maximum temperature: 450°C (842°F)
- Average use of 40 minutes on a full load

Part No.	Description	1	5
045520	Butane soldering iron	\$29.95	\$26.95
2097491	5 oz. butane gas refill	7.95	6.95

XYTRONIC 16 to 30-Watt Variable Soldering Iron & Stand

- 116572: Length: 7.5"

- 36329: • Black anodized steel base — 5.3"L x 3.3"W
- See below for replacement sponge (P/N 134631)
- Fits most soldering irons .85" dia.

Includes: Sponge

Part No.	Description	1	5	25
116572	25W soldering iron	\$19.95	\$17.95	\$15.95
36329	Soldering stand	5.95	5.39	4.79
134631	Sponge (for P/N 36329)	2.95	2.59	2.29

XYTRONIC 35-Watt SMD Tweezer Iron

- Max. temp.: 760°F
- 120VAC input
- Max. efficiency ceramic heating elements insures rapid heat-up and instant heat recovery
- Heater insulation exceeds 100MΩ
- Heater power consumption: 35W ea.

Includes: 0.078" tip

Part No.	Description	1	5	25
168410	Tweezer iron	\$54.95	\$49.95	\$44.95
168583	Tip .078"	9.95	8.95	7.95
168591	Tip .590"	11.95	10.95	9.95

XYTRONIC Legacy Replacement Sponge

- Use with XY9-60 & 968D

Part No.	Mfr. Part No.	Size (in.)	1	5
134631	SP715	1.7 x 1.7	\$2.95	\$2.59
134640	SP815R	1.8 x 1.8	2.95	2.59
236460	78-744615	1.8 x 2.9	2.95	2.59

Weller Heat Guns and Strippers



XYTRONIC 40 & 60W High-Performance, Economical Soldering Irons

High-quality soldering irons that are suitable for both professional & do-it-yourself applications.

- Iron length: 9"
- 120VAC; 6' cord with 3-prong plug
- High-performance double-wound nichrome heating element
- Flexible, burn-resistant silicon cable

Part No.	Description	1	5	25
224602	40W soldering iron	\$13.95	\$12.95	\$11.95
195223	60W soldering iron	12.95	11.49	10.49
226018	Conical tip for P/N 224602	2.95	2.75	2.49

Weller 25 & 35-Watt High-Quality Soldering Irons

- 120VAC @ 60Hz
- Interchangeable heater elements
- Lightweight handle with cushioned grip
- Quick change knurled collar
- Length: 9"

Includes: Power cord & ST3 tip (pg 137)

Part No.	Mfr. Part No.	Description	1	5
170587	WP25	25W solder iron	\$44.95	\$39.95
192102	WP35	35W solder iron	51.95	49.95
146608	ST1	Screwdriver tip 1/16"	5.95	4.95
146616	ST3	Screwdriver tip 1/8"	5.95	4.95
192145	ST6	Screwdriver tip .031"	5.95	4.95
146624	ST7	Conical tip 1/32"	5.95	4.95

***Soldering Irons — Enter Web Code QAS**

Weller 25 & 40-Watt Marksman Home Project Kits

Perfect for beginners and hobbyists. Includes stand.

- Stainless steel barrel and heat/impact resistant handle
- Ideal for kits, radios and electronics
- Indicator light shows iron is on

2094143 Includes: Knife and 2 tips

2094160 Includes: Soldering aid tool, 3 tips & solder

Part No.	Mfr. Part No.	Description	1	5
2094143	SP23LHPK	25W iron kit	\$19.95	\$18.95
2094160	SP40LK	40W iron kit	24.95	23.49

Weller® 100-Watt Soldering Iron

- "Closed loop" method of controlling max. tip temperature
- Nominal heat-up time with 700°F tip is 110 seconds
- 120VAC @ 60Hz input
- Length: 6" • Weight: 0.7 lbs.



192081



Includes: CT6F7 (0.375" screwdriver tip; 700°F)

Part No.	Mfr. Part No.	Description	1	5
192081	W100PG	Solder iron	\$59.95	\$56.95
192090	CT6F7	.375" screwdriver tip ..	6.95	6.29

Weller® 25 to 125-Watt Cordless Soldering Iron Kit

- Self-igniting & instant heat
- Adjustable temperature (25W to 125W)
- Auto switch off
- Visible gas level
- Additional tips can be special ordered
- 2 hours of heat on average tank setting



Includes: Soldering tool, hot blower tip, hot knife tip, 2.4mm and 4.8mm double flat tip, cleaning sponge, storage case and instruction manual

Part No.	Mfr. Part No.	1	5
152207	PSI-100K	\$94.95	\$89.95

Weller® Dual Setting Battery Powered Soldering Iron

- Heats to working temperature in less than 15 seconds
- White LED light illuminates working surface
- Dual heat settings: 8 watts on low setting (850°F) or 11 watts on high setting (950°F)
- Co-molded grip for comfort grip and protective safety cap turns off power when placed on tool
- Over 150 intermittent solder joints with fresh batteries



Includes: Iron, tip, 4 "AA" batteries, lead free solder, and tip removal wrench

Part No.	Mfr. Part No.	1	5
1943060	BP860MP	\$23.95	\$19.95

Jameco ValuePro 30 to 100-Watt Soldering Kit

- 30W soldering iron
- 100W soldering gun w/ extra tip
- Manual desoldering pump
- Mini third-hand board/component holder
- Soldering aid tool
- Lead solder
- Size: 13.8"L x 11"W x 3"H



Part No.	Product No.	Wt. (lbs.)	1	5
684596	GSR-600A	4.0	\$39.95	\$35.95

WAHL® 25-Watt Cordless Soldering Iron

IsoTip® Power Pro Model #7904

- 900°F tip temperature
- LED indicator light
- Solders 200+ joints or up to 30 minutes of continuous soldering
- Iron performance equivalent to 25-watt iron
- Weight: 1.1 lbs.



Includes: Iron, charging stand, battery pack and tips

Part No.	Description	1	5
132783	Power Pro cordless iron	\$74.95	\$69.95

***Soldering Irons — Enter Web Code QAS**

Weller® 40-Watt Soldering Station

- Lighted on/off switch
- Adjustable power from 5 watts to 40 watts
- 120V @ 60Hz
- Temperature is electronically controlled from 350° to 850°F
- Illuminated on/off switch
- Light weight pencil iron
- Size: 5.5"L x 4.5"W x 3.5"H • Weight: 1.9 lbs.



Includes: ST3 1/8" screwdriver tip and manual

Part No.	Mfr. Part No.	1	5
146595	WLC100	\$54.95	\$49.95

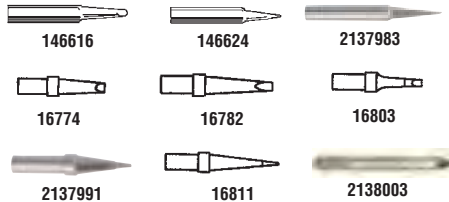
Weller® Soldering Tips

ST Series: Replacement tips for WLC100, WP25, WP30, WP35 soldering irons and stations. Precision ground copper tips plated with iron, nickel and chromium.

ET Series: Replacement tips for PES51 soldering pencil (P/N 2082847). Contains a sensor hole in base of tip fitted with a stainless steel liner.

MT Series: Replacement tips for SP23 and SP23D soldering irons. Solid copper tips, nickel-plated and tinned.

*** Web Code: NAB**



Part No.	Mfr. P/N	Description	1	5
192145	ST6	Screwdriver tip 1/32" ...	\$5.95	\$4.95
146608	ST1	Screwdriver tip 1/16"	5.95	4.95
2137975	ST2	Screwdriver tip 1/10"	4.95	3.95
146616	ST3	Screwdriver tip 1/8"	5.95	4.95
146624	ST7	Conical tip 1/32"	5.95	4.95
2137983	ST5	Single flat tip 1/32"	4.95	3.95
16774	ETA	Screwdriver tip 1/16"	6.95	6.29
2138020	ETH	Screwdriver tip 1/32"	6.95	5.95
16782	ETJ	Long screwdriver tip 1/32"	6.95	6.29
16803	ETR	Narrow screwdriver tip 1/16"	6.95	5.95
2137991	ETP	Conical tip 1/32"	6.95	5.95
16811	ETS	Long conical tip 1/64"	6.95	6.29
2138011	ETO	Long conical tip 1/32"	6.95	5.95
2138003	MT1	Cone-shape tip 1/8"	7.95	6.95

Weller® 50W Soldering Station

- Manual temperature setting
- Electronic temperature control
- Power-on LED indication
- Temperature range: 374°F to 896°F
- Input voltage: 115VAC
- Input power: 50VA max.
- Color: light blue
- Size: 7.3" x 4.0" x 3.5" • Weight: 1.6 lbs.



Includes: AC cord, iron stand, and sponge

Part No.	Mfr. Part No.	Description	1	5
2130626	VTSS5U	50W station	\$19.95	\$18.95
2174864	BIT55	Conical tip	1.75	1.59

Weller® 60-Watt ESD-Safe Soldering Station

- Temperature controllable: 600°F, 700°F, or 800°F
- Closed-loop method of controlling maximum tip temperature to protect sensitive components
- Ferromagnetic temperature sensor, no adjustments necessary
- Quick disconnect plug for soldering iron and lighted on/off switch
- Impact-resistant plastic power unit
- Input: 120VAC @ 60Hz
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.



Includes: Power unit, soldering pencil with PTA7 tip (below), stand and sponge

Part No.	Mfr. P/N	Description	1	5
170552	WTCPT	Solder station	\$173.95	\$164.95
192161	TC201T	Replacement iron	87.95	83.95
192188	PTA7	Screwdriver tip 700°F	3.95	3.49

***Soldering/Desoldering Stations — Enter Web Code GEJ**

***Soldering Tips & Sponges — Enter Web Code NAB**

60-Watt Lead-Free Digital Soldering Station

Grounded Soldering Tip

- 150°C to 480°C (302°F to 896°F)
- Fully grounded
- Insulated ceramic heating element for rapid heat-up and heat recovery
- Heater insulation exceeds 100MΩ
- Zero voltage circuitry eliminating high voltage spike and magnetic field generation
- Size: 4.1"L x 3.5"W x 3.5"H • Weight: 2.5 lbs.



Includes: Manual, soldering iron w/ 1/32" tip, stand, tip cleaner and sponge

156814: Sharp conical chisel tip

156822: Conical chisel tip

Part No.	Mfr. Part No.	Description	1	5
2174733	LF-389D	60W station	\$64.95	\$59.95
156814	XYB01	1/32" tip	4.95	4.49
156822	XYB04	1/16" tip	4.95	4.49
134631	SP715	Sponge	2.95	2.59

NEW
MARKED IN PINK

Weller® 50-Watt Analog & Digital Display Soldering Stations

Innovative heater and sensor combination for quick heat-up and rapid temperature recovery.

- Tip temperature offset capability allows user to reset temperature readings to match tip size and style
- Wireless temp. lockout
- Auto power-down after 90 minutes of inactivity
- Temp. accuracy: ±9°F
- Temperature range: 350°F to 850°F • ESD safe
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.



233533

Includes: PES51 50W soldering iron with ETA tip, PH50 stand and sponge, and adjustment tool

Part No.	Mfr. Part No.	Description	1	5
217461	WES51	Analog	\$124.95	\$119.95
233533	WESD51	Digital	179.95	169.95
2082847	PES51	Soldering iron	42.95	39.95
2082783	WCC104	Replacement sponge ..	2.95	2.59



70 & 80-Watt Lead-Free Soldering Stations

- Input: 110-120VAC @ 60Hz
- Soldering iron assembly
- Adjustable knob for temperature setting
- Weight: 5.3 lbs.



Includes: soldering station, soldering stand with cleaning pad, soldering iron and manual

1950711: Analog 70-Watt • Size: 8"L x 5.2"W x 3.8"H

- With nichrome heating element & K-type thermocouple sensor
- LED to indicate power (green), heater on (red)
- Temp. acc.: $\pm 3^{\circ}\text{C}$ • Uses model 209 soldering iron
- Temp. range: 200°C to 450°C (329°F to 842°F)

2099180: Digital 80-Watt

- Temp. accuracy: $\pm 3^{\circ}\text{C}$
- Temp. range: 200°C to 480°C (392°F to 896°F)
- Size: 4.2"W x 3.6"H x 5.0"D • ESD safe
- Uses 108ESD soldering iron assembly
- Premium-grade ceramic heating element

Part No.	Mfr.	Part No.	Description	1	5
1950711	169	ANALOG	.....	\$84.95	\$79.95
2099180	LF-1600	DIGITAL	.....	89.95	79.95



80-Watt High-Power Stained Glass Soldering Station

- 100-120VAC @ 60Hz
- On/off switch with "power on" indicator light
- Temperature range: 482-923°F (250-500°C)
- Variable power control
- Safety guard iron holder • Cushioned foam grip



Part No.	Mfr.	Part No.	Description	1	5
2118467	LT-80	.....	.....	\$44.95	\$39.95

Weller® 80-Watt Soldering Station

- 120V @ 60Hz
- Lighted on/off switch
- Adjustable power from 5 to 80 watts
- Temperature: 350°F to 900°F
- Size: 5.5"L x 4.5"W x 3.5"H
- Weight: 2.1 lbs.



Includes: MTG20 3/8" chisel tip, iron stand, sponge, AC cord and manual

Part No.	Mfr.	Part No.	Description	1	5
2082775	WLC200	.....	Soldering station ..	\$69.95	\$65.95
2082821	MTG22	.....	3/8" cone tip	8.49	7.95
2082783	WGC104	.....	Sponge	2.95	2.59

Weller® 85-Watt Digital Lead-Free Soldering Station

- New WP80 soldering pencil with short tip-to-grip (52mm)
- Barrel can be exchanged with optional longer version to work at standard length (65mm)
- Unique silver heater allows fast, efficient soldering
- Uses WP80 soldering pencil and WDH10 soldering stand
- Size: 15.4"L x 10.2"W x 5.2"H • Weight: 8.2 lbs.



Includes: LTB tip, iron stand, sponge and AC cord

Part No.	Mfr.	Part No.	Description	1	5
684772	WD1002	.....	.....	\$342.95	\$324.95

*** Soldering/Desoldering Stations — Enter Web Code GEJ**



90-Watt ESD Safe, Digital Lead-Free Soldering Station

- Input: 220-240VAC @ 50Hz, 100-120VAC @ 60Hz
- 0-volt. switching circuitry
- High-quality sensor and heat transfer technology
- Precise temp. regulation
- Temperature range: 100°C to 500°C (212°F to 932°F)
- PTC sensor for quick heat-up time
- Heater/sensor failure detection
- Aluminum housing • Size: 4.4"W x 6.2"H x 5.4"D



Includes: Separate iron holder with brass tip cleaner, soldering tip and AC cord

Part No.	Mfr.	Part No.	Wattage	1	5
2143970	LF-3000	.....	90W	\$144.95	\$134.95

Replacement Sponges for Legacy Model Soldering Stations

134640: For 138-3

134631: For XY-60D, XY-379 & XYT379-C

Part No.	Mfr.	Part No.	Size (in.)	1	5	25
134640	SP815	.....	1.8 x 1.8	\$2.95	\$2.59	\$2.39
134631	SP715	.....	1.7 x 2.1	2.95	2.59	2.29

6-Watt Portable USB Soldering Iron

This unique soldering iron can achieve up to 896°F (480°C) in just 20 seconds by using only a 9V alkaline battery or by connecting to your computer via the included USB cable!

- Professional grade soldering tip
- Achieves max. temperature of 896°F/480°C via 9V battery or USB connection
- Rating: 5V @ 800mA
- Built-in ultra bright LED light that illuminates your work area
- Energy-efficient, only consumes approximately 5W
- Perfect for soldering SMD components



Includes: 9V battery adapter, USB cable Y-adapter and sponge

Part No.	Mfr.	Part No.	Size	1	5
2173618	MSD-086	.....	5.8"L x 0.6"W ..	\$19.95	\$17.95

CHIPQUIK® SMD Removal Kit

- Quick and easy to use
 - Potential damage to printed circuit boards is eliminated
 - 2.5' of CHIPQUIK® material removes 1250-1500 SMD pins
- Includes:** 2.5 feet removal alloy material, 1cc syringe rework paste flux, alcohol pads for cleaning and complete instructions



Part No.	Description	1	5
2141305	SMD removal kit	\$15.95	\$14.49



Safety Glasses

Disposable protective glasses that are light-weight and comfortable. Designed to give maximum peripheral vision without distortion. Features brow and solid side shields for splash protection.

- Can be over regular glasses
- Solid side shields
- Size: 6.1"W x 2.5"H x 5.5"D • Color: dark grey



Part No.	Mfr.	Part No.	1	12	72
2133691	3303-0331	.....	\$6.95	\$5.95	\$4.95



80-Watt Lead-Free Desoldering Station

- Input voltage: 100-120VAC @ 60Hz
- Heater: 32V, 80W
- Large digital temperature display
- Adjustable temperature without changing tips
- Tip temperature accurate to $\pm 3^{\circ}\text{C}$ (6°F)
- Zero voltage switching & fully grounded design makes this unit safe on electro-sensitive devices
- Suction controlled by a finger actuator thyristor located on the desoldering handle
- Temperature range: 300°C to 450°C (572°F to 842°F)
- Size: 7.9"W x 9.3"D x 4.5"H
- Weight: 13 lbs.



Includes: DIA80 desoldering iron, 2 soldering stands, foam filters, & cleaning brush

Part No.	Mfr.	Part No.	1	5
1919094	LF-6000	.....	\$299.95	\$284.95

100-Watt Soldering & Desoldering Station with Fume Extractor



- Input voltage: 110-120VAC @ 60Hz
- Soldering iron: 32VAC/100W 150°C to 480°C (302°F to 896°F)
- Desoldering iron: 32VAC/100W 300°C to 450°C (572°F to 842°F)
- Temperature stability: $\pm 3^{\circ}\text{C}$ (6°F)
- Temperature correction range: $\pm 99^{\circ}\text{C}$
- Energy saver mode after 20 minutes of idle time and auto power down after 40 minutes idle time
- Heater and sensor failed detection and temp. lockout features • Digital temp. readout
- Size: 4.2"W x 3.6"D x 5.0"H • Weight: 28 lbs.

Includes: 307A soldering iron, DIA100 desoldering iron, 105C, 104A & A-2000-1 soldering stand, fume extractor, AX205 micro cutting pliers, 5-piece high precision tweezers, filter and cleaning accessories for desoldering iron, AC power cord and manual

Part No.	Description	1	5
2099198	LF-8800 station.....	\$399.95	\$379.95
2095509	Desolder tip 1.2mm.....	8.95	7.95
2095517	Desolder tip 1.5mm.....	8.95	7.95

700-Watt Lead-Free Multi-Function Surface Mount Rework Station

- 3-in-1 design: soldering, desoldering, hot air function
- Heater/sensor failure detection
- Quick heat-up
- Temperature "Lock-Out" feature
- Auto cooling design
- Temp. range: 212°F to 896°F • Weight: 24.5 lbs.



Includes: AC cord, 5-piece tweezers, replacement heating element, cleaning element, 4-piece nozzle set, iron/hot air gun holders, and IC popper

Part No.	Mfr.	Part No.	1	5
2144577	LF-855D	.....	\$299.95	\$279.95

*** SMD Rework Stations — Enter Web Code NAT**

80-Watt SMD Rework Stations



2120541



2099219

- Thermocouple sensor for stable temp.
- Rapid heat-up and recovery

2120541 • Size: 7.4"L x 5.0"W x 3.3"H • Wt.: 2.6 lbs.

• Adjustable temperature: 482-842°F (250-450°C)

2099219 • Size: 8.8"L x 6.0"W x 4.5"H • Wt.: 6.8 lbs.

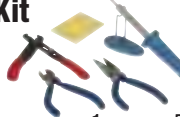
• Adjustable temperature: 392-896°F (200-480°C)

Includes: Base power unit, sponge, stand, surface mount tweezer iron, and stand for tweezers

Part No.	Description	1	5
2120541	SMD rework tweezer station	\$79.95	\$69.95
2099219	Soldering & tweezer combo station	139.95	129.95
168583	SMD tweezer tip (0.078")	9.95	8.95
168591	SMD tweezer tip (0.59")	11.95	10.95
156814	SMD conical tip (1/32")	4.95	4.49

30-Watt Solder Tool Kit

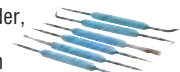
Includes: Soldering iron with stand, long nose pliers, wire strippers, side cutters & sponge



Part No.	Description	1	5
358598	7-piece tool soldering kit	\$15.95	\$14.95

6-Piece Solder Aid Tool Kit

Includes: Various tips: chip holder, spacer, reamer, lever, needle, knife, fork shaft, hook and brush



Part No.	Cross Ref. No.	1	5
2096000	GSR-107	\$6.95	\$6.25

600-Watt Lead-Free Hot Air SMD Rework Station

- Incorporates the largest pump in the industry
- Long life ceramic heater insures accurate and sufficient heat where you need it
- Automatic cooling mode protects the heating element
- Airflow capacity: 1.5L - 40L/min.
- 600W nichrome heating element
- Power supply: 100-120VAC @ 60Hz or 220-240VAC @ 50Hz
- Electronically controlled temperature system with digital readout in preset and actual temperature
- Hot air temp. range: 100°C - 480°C (212°F - 896°F)
- 25-watt diaphragm pump
- Adjustable air-flow
- Size: 7.3"W x 5.3"H x 9.6"D • Weight: 10.8 lbs.



2128032



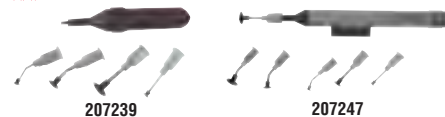
262916

Includes: Extra 600W heater, 4 focus hood tips, 5 stainless steel anti-magnetic tweezers, IC popper for IC extraction

Part No.	Mfr. Part No.	Description	1	5
2128032	LF-852D	SMD rework	\$225.95	\$199.95
262916	A1127B	17.5mm² focus hood	24.95	19.95

***SMD Rework Stations — Enter Web Code NAT**

Vacuum Pen Tools



- ESD safe body
- Picks up components with weight of 1.1 lbs. or less

Part No.	Description	1	5
207239	Handivac tool (4 tips/cups)	\$19.95	\$17.95
207247	Pen vac tool (6 tips/cups)	39.95	33.95

900-Watt Lead-Free, ESD-Safe Soldering Rework Station

- 3-in-1 design: soldering, desoldering, and hot air station
- 2 LED displays
- Temperature and air pressure settings
- Temperature-lock feature
- Heater and sensor failure detection
- Input voltage: 100-120/220-240VAC @ 60Hz/50Hz
- Soldering iron temperature range: 302°F - 896°F
- Desoldering iron temperature range: 572°F - 842°F
- Hot Air temperature range: 212°F - 896°F
- Fume extractor air volume: 95/115 CFM
- Weight: 26.5 lbs.



Includes: Soldering iron, desoldering iron, hot-air iron, fume extractor, extra heating element, 2 soldering iron stands, 4 hood tips and 5 tweezers

Part No.	Mfr. Part No.	1	5
2128041	LF-853D	\$599.95	\$549.95

Heat Sink & Soldering Aid Kit



100378

100503

100378: Heat sink absorbs and dissipates heat during soldering & desoldering of sensitive parts

100503 Includes: Soldering wick, 3 pc. scraper set, acid brush, clip-on heat sink and empty squirt bottle

Part No.	Description	1	10	100
100378	Clip-on heat sink	\$1.49	\$1.25	\$9.99
100503	7-piece soldering kit	7.95	6.95	6.25

Tips & Replacement Parts for XYtronic Soldering and Desoldering Products



***Web Code: NAB**

For XYTronic Model Numbers (*Legacy Models)																		
Part No.	Mfr. P/N	Description	168-258VL 351238	379-C, LF-1600	136530* 379*	209600 Also DE 30	168-200PHG XY1604	960D*	968	9995DA*	LF-8000, 1650	LF-1000, LF-6000 LF-7000 LF-8000	L307A, LF-2000 LF-3600	LF-3650, LF-3000	Pricing			
															1	10	25	
35318	XY48 <i>ℹ</i>	Assembly - 60W w/ nichrome heater					✓				✓					\$29.95	\$27.95	\$25.95
35326	XY401 <i>ℹ</i>	Soldering tip - conical bevel 1/32"	✓				✓	✓				✓				4.95	4.49	3.95
35078	XY402 <i>ℹ</i>	Soldering tip - semi-chisel 1/32"		✓			✓	✓			✓	✓				4.49	3.95	3.59
35334	XY403 <i>ℹ</i>	Soldering tip - conical sharp 1/64"		✓			✓	✓			✓	✓				4.49	3.95	3.59
35115	XY404 <i>ℹ</i>	Soldering tip - conical chisel 1/16"		✓			✓	✓			✓	✓				4.49	3.95	3.59
35238	XY405 <i>ℹ</i>	Soldering tip - semi-chisel wide 1/8"					✓	✓			✓	✓				4.49	3.95	2.95
207335	XY406 <i>ℹ</i>	Soldering tip - long conical chisel 3/64"		✓			✓	✓			✓	✓				4.49	3.95	2.95
207351	XY410 <i>ℹ</i>	Soldering tip - chisel 3/16"		✓			✓	✓			✓	✓				4.49	3.95	3.59
156814	XYB01 <i>ℹ</i>	Soldering tip - sharp conical chisel 1/32"			✓											4.95	4.49	3.95
207327	XYB03 <i>ℹ</i>	Soldering tip - conical sharp 1/64"			✓											5.95	5.49	4.95
156822	XYB04 <i>ℹ</i>	Soldering tip - conical sharp 1/16"			✓											4.95	4.49	3.95
207298	XYB05 <i>ℹ</i>	Soldering tip - semi-wide chisel 1/8"			✓											4.95	3.95	3.59
127642	XYD12 <i>ℹ</i>	Desoldering tip - 1.2mm (.0472")						✓	✓	✓				✓		6.95	5.95	4.95
2095509	XY12 <i>ℹ</i>	Desoldering tip - 1.2mm (.0472")										✓				8.95	7.95	6.95
2095517	XY15 <i>ℹ</i>	Desoldering tip - 1.5mm (.0586")							✓	✓		✓				8.95	7.95	6.95
2135136	44-710654 <i>ℹ</i>	Soldering tip - conical 0.2mm (.007")												✓		4.95	3.95	3.59
2135144	44-710657 <i>ℹ</i>	Soldering tip - 45° flat hoof												✓		4.95	3.95	3.59
2135152	44-710662 <i>ℹ</i>	Soldering tip - chisel 2.4mm (.094")												✓		4.95	3.95	3.59
2144171	44-413081 <i>ℹ</i>	Soldering tip - conical 0.5mm													✓	4.95	4.49	3.95
2144163	44-413072 <i>ℹ</i>	Soldering tip - semi-chisel 0.8mm													✓	4.95	4.49	3.95
2144180	44-413071 <i>ℹ</i>	Soldering tip - semi-chisel wide 3.2mm													✓	4.95	4.49	3.95
2144155	44-413069 <i>ℹ</i>	Soldering tip - flat 1.6mm													✓	4.95	4.49	3.95

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Electric & Manual Desolder Pumps

- Easily disassembles for cleaning
 - Replacement tips available
- 2168261:** • UL listed
 • One-hand operation
 • Size: 10.5"L x 1.0"Dia.
- 19166:** Size: 7.8"L x 0.8"Dia.
- 1942139:** Size: 13.3"L x 1.0"Dia.

Part No.	Description	1	5
2168261	Electric desolder pump	\$26.95	\$23.95
2131021	Vacuum desolder pump	9.95	8.95
1942139	Manual desolder pump	8.95	7.95
19166	Manual desolder pump	6.95	6.25
2168270	1 tips for 2168261	5.95	5.49
22091	2 tips for 19166	5.95	5.39
2146610	1 tip for 1942139	1.95	1.69
2158776	1 tip for 2131021	1.95	1.49

11-Piece Soldering Aid Tool Kit

This kit combines all the tools you need in order to begin soldering.

Kit includes:

- Tool case
- 30-watt UL listed soldering iron
- Soldering iron stand
- Heat sink clamp • Solder
- Small slotted screwdriver with stripper
- Medium slotted screwdriver • Soldering tool
- Medium philips screwdriver • Diagonal cutters

Part No.	Cross Ref. No.	1	5
2132322	GTK-059A	\$19.95	\$18.95

Heavy Duty Solder Stand

- Heavy hardened steel base
- Sturdy screw-on iron holder
- Weight: 1.1 lbs.

Includes: Cleaning sponge

Part No.	Size (L x W x H)	1	5	25
2157651	4.0" x 3.0" x 6.5"	\$10.95	\$9.95	\$8.95

Solder Spool & Iron Stand

- 4 pc. spool stand (some assembly required)
- Sponge size: 1.6"W x 2.4"L
- Shaft diameter: 0.6"

Solder not included

Part No.	Size (L x W x H)	Wt. (lbs.)	1	5	25
169551	6.0" x 3.5" x 3.1"	2.0	\$12.95	\$11.95	\$10.95

*** Soldering Stands — Enter Web Code YAU**

Solder Spool Stand

- 12 pc. solder spool stand (some assembly required)
- Size: 3.6"W x 3.9"D x 4.3"H
- Shaft dia.: 0.6"

Solder not included

Part No.	Description	Wt. (lbs.)	1	5	25
141761	Solder stand	1.6	\$12.95	\$11.49	\$9.95

Soldering Tip Cleaner with Stand

- For cleaning soldering iron tips without the use of water and sponge
- Metal wool for cleaning
- Rubberized base for stability

Part No.	Description	Wt. (lbs.)	1	5	25
156777	Tip cleaner & stand	0.5	\$6.95	\$6.39	\$5.79
160004	Metal wool replacement	0.1	2.95	2.59	2.29

150-Watt Solder Pot

- On-off switch on handle
- Input voltage: 120VAC
- Maintains pot temp. of 450°C to 480°C (842°F to 896°F)
- 3-conductor power cord: 5' long
- Pot size: 30mm deep x 35mm Dia.

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
2115418	RD-7339	1.2	\$49.95	\$44.95

300-Watt Solder Pot

Temperature Regulated Between 420°C and 450°C

- 2 conductor power cord: 5' 9" long
- Holds up to 1 bar of P/N 176057, pg 141
- Input voltage: 110VAC @ 2.7A; 50-60Hz
- Size: (unit) 4.8"H x 5.5" Dia. (base)
- Size: (tub) 2.4"Dia. x 1.6"D
- One-year warranty

Part No.	Description	Wt. (lbs.)	1	5
1951625	300W solder pot	5.9	\$89.95	\$79.95

600-Watt Solder Pot

Temperature Adjustable

- 2-wire power cord (5' 5")
- Temperature: 0°C to 500°C
- Self-regulating temperature
- Input voltage: 110VAC @ 5.5A
- On-off power switch and LED indicator for heat
- Holds up to 3 bars of P/N 176057 pg 141
- Size (unit): 6.8"L x 5.5"W x 2.8"H
- Size (tub): 3.9"L x 1.6"D

Includes: Skimmer and removable dross tray

Part No.	Description	Wt. (lbs.)	1	5
172276	600W solder pot	7.4	\$249.95	\$225.95

2000-Watt Solder Pot

- Thermostat control for setting temp. from 50°C to 300°C
- Holds up to 48 bars of P/N 176057 pg 141
- 3 conductor pigtail power cord: 5'L
- Input voltage: 110VAC @ 18A, 50-60Hz single phase
- Size (unit): 18.1"L x 11.5"W x 6.0"H
- Size (tub): 12.0"L x 8.0"W x 2.9"H
- One-year warranty

Power cord not included (recommend P/N 37997, pg 105)

Part No.	Description	Wt. (lbs.)	1	5
149876	2000W solder pot	23.1	\$329.95	\$299.95

*** Solder Pots — Enter Web Code HAW**

Weller® 20-Watt Fume Extractor

This fume extractor removes flux fumes from the soldering workbench by drawing smoke through an activated carbon filter. With its exceptionally quiet fan, it can process up to 1.37 cubic meters of air per minute and its stand is adjustable allowing it to be set-up in multiple positions.

- Voltage: 120VAC
- Sound level: 45-50dB
- Air consumption: 87-107CFM
- ESD safe
- Power consumption: 20W
- UL/CUL listed
- Absorption capacity: 1.25 cubic meters to 1.37 cubic meter per minute
- Size: 10"L x 6.5"W x 11"H

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
684810	WSA350	4.2	\$69.95	\$62.95
684828	WSA350F (carbon filter)	0.02	7.95	6.95

*** Fume Extractors — Enter Web Code HAR**

22-Watt Fume Extractor

Absorbs noxious lead fumes using activated-carbon filter and a high-efficiency fan

- Operate continuously providing filtered air
- Static ground jack
- Fuse protected
- Noise: 49dB fan
- Air flow: 115 CFM
- 120VAC, 60Hz, 22 watts
- large surface area with adjustable angles
- Uses 130mm filters
- Size: 7.2"W x 5.4"D x 7.9"H
- One-year warranty

Includes: Detachable power cord

Part No.	Description	Wt. (lbs.)	1	5
2171786	Fume extractor	2.6	\$49.95	\$45.95
127183	Replace. filters (2/pk)	0.05	9.95	8.95

Fume Extractor Kit

Everything you need in order to build your very own mini pocket-sized fume extractor.

- Kit includes:
 - Voltage regulator
 - 12VDC fan
 - Slide switch
 - 2 fan guards
 - Replacement filter
 - Heat shrink
 - Jumper wire
 - Tin enclosure
 - Two 9V batteries w/ clips
- For step-by-step instructions, visit the workshop center at www.Jameco.com/Fume

Part No.	Description	1	5
2137481	13-pc. fume extractor kit	\$24.95	\$21.95

42-Watt Combo Soldering Station and Fume Extractor

- Power consumption: 42W @ 650°F (soldering iron)
- Adjustable knob for temperature control: 500°F to 800°F
- Stability @ idle: ±9°F
- Max. air volume: 95/115CFM
- LED indicator for pilot light
- Electronic zero-voltage switching
- Input voltage: 100-120VAC @ 60Hz
- Size: 6.4"W x 7.8"H x 4.7"D

Includes: Soldering iron, iron holder, sponge, carbon activated filter, power cord and manual

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
183169	456DLX	5.2	\$79.95	\$74.95

Static Eliminator with Arm Stand

Ionized air blower with variable speed control designed for use with sensitive electrical components. Eliminates the problem of electrostatic buildup around workstations.

- Air volume output: 84 cfm (max.)
- Steel enclosure
- Ozone: less than 0.01ppm
- Operating temp.: 32°F - 122°F (0°C - 50°C)
- Air flow area coverage: 5' x 1.3'
- Dimensions: 5.5"W x 8.7"H x 3.3"D

Part No.	Cross Ref. No.	Price
2153473	GS-530A	\$279.95

For Anti-Static Products, see page 135

Vises, Soldering Accessories & Tape Products

PANA VISE Multi-Purpose Work Center

- Jaws open to 9"
- Double action extra wide self-centering heads allow fast opening and closing; centered weight allows jaws to hold heavier objects; plates can be reversed to close together; reversible jaw pads feature ribbing on one side and a V groove on the other
- Base has three 1/4" countersunk mounting holes
- Overall base diameter is 8.5"

Part No.	Mfr.	Part No.	Wt. (lbs.)	1	5
684852	350		5.0	\$99.95	\$89.95

PANA VISE Electronic Work Center

- Size: 8.5"W x 7.8"H
- One-year warranty
- Includes:** Circuit board holder, standard base, tray base mount and wire holder

Part No.	Mfr.	Part No.	Wt. (lbs.)	1	5
27060	324		5.3	\$99.95	\$89.95

PANA VISE Rapid Assembly Circuit Board Holder

- 8 positions rotating adjustment, six positive lock positions in the vertical plane and height adjustment for quick board rotation speeds
- Holds circuit boards from 1/8" (3.2mm) to 12" (304.8mm) wide and up to 5/32" (4mm) thick
- Arms move independently
- 10" high (from base to top of vertical shaft)

Part No.	Mfr.	Part No.	Wt. (lbs.)	1	5
684844	333		6.4	\$89.95	\$84.95

PANA VISE Vacuum Base Vise

- Head moves through three planes: 210° tilt, 360° turn and rotation
- Grooved jaws are made of reinforced thermal alloy and open up to 2.9"
- Fine/coarse adjustment • Base dia.: 3.4"
- Jaw size: 2"H x 1"W • Height: 7.5"H

Part No.	Mfr.	Part No.	Wt. (lbs.)	1	5
251791	209		0.8	\$35.95	\$32.95

PANA VISE Vacuum Base Vise

- Features the patented "split ball" that tilts, turns and rotates through three planes
- Powerful suction pad for quick and easy set-up
- Nylon jaws open 2.25"
- Size: 5.0"L x 4.0"W x 6.3"H
- One-year warranty

Part No.	Mfr.	Product No.	Wt. (lbs.)	1	5
262116	BenchPro	GV-300	3.3	\$39.95	\$35.95
27131	PanaVise	M381	3.3	69.95	63.95

Third Hand Tools

- Two adjustable arms with alligator clip jaws
- Quick and easy rotation
- Sturdy, heavy base

Part No.	Description	Size	Wt. (lbs.)	1	5
26690	Third hand	2.0"	1.4	\$7.95	\$6.95
72865	With holder/sponge	2.0"	1.4	10.95	9.95
681002	With holder/sponge	3.5"	1.7	12.95	11.49

*Vises — Enter Web Code TAD

Solder Bars, Rolls and Pocket Packs

*Web Code: ABD

Soldering can get messy at times. Knowing that you also have limited space on your workbench, we offer plenty of tools to keep your soldering job clean and organized.

Due to extraordinary price fluctuations, solder prices are subject to change.

Part No.	Manufacturer	% Composition				Diameter Inches/mm	Weight	Type†	Pricing	
		Tin	Lead	Silver	Copper				1	10
73576	Kester	60	40	—	—	0.031/0.787	0.5 oz.	2	\$3.29	\$2.95
32117	Kester	60	40	—	—	0.031/0.787	1.0 lb.	1	35.95	33.95
141786	ValuePro	60	40	—	—	0.031/0.787	1.1 lbs.	1	32.95	29.95
176057	ValuePro	60	40	—	—	—	1.1 lbs.	4	34.95	32.95
94570	Kester	60	40	—	—	0.05/1.27	1.3 oz.	2	4.95	4.49
73605	Kester	62	36	2	—	0.02/0.508	0.35 oz.	2	3.95	3.59
2177694	ValuePro	63	37	—	—	0.015/0.381	1.0 lb.	1	39.95	34.95
151474	Kester*	63	37	—	—	0.031/0.787	1.0 lb.	1	39.95	34.95
2158266	ValuePro	63	37	—	—	0.031/0.787	1.1 lbs.	1	29.95	26.95
2158178	Kester	63	37	—	—	0.050/1.27	1.0 lb.	1	34.95	29.95
115433	Kester	63	37	—	—	0.039/0.991	0.14 oz.	3	.99	.89
668262	ValuePro	96.3	—	3.2	0.5	0.04/1.02	7.2 oz.	1	39.95	36.95
668297	ValuePro	96.3	—	3.2	0.5	0.04/1.02	1.1 lbs.	1	84.95	79.95
2158194	ValuePro	96.5	—	3.0	0.5	0.118/3.0	4.5 lbs.	1	99.95	89.95
2113172	Kester	96.5	—	3.0	0.5	0.031/0.787	0.43 oz.	2	5.95	5.39
668271	ValuePro	96.5	—	3.5	—	0.04/1.02	9.6 oz.	1	44.95	39.95
170457	ValuePro	99.3	—	—	0.7	0.031/0.787	0.8 oz.	2	3.25	2.95
668078	ValuePro	99.3	—	—	0.7	0.04/1.02	7.2 oz.	1	26.95	24.95
209075	ValuePro	99.3	—	—	0.7	0.031/0.787	1.0 lb.	1	36.95	33.95

*Organic core †1. Roll 2. Packet 3. Coil 4. 13" Bar \$ 3 core

5' Desolder Braids

*Web Code: DAG

Part No.	Manufacturer	Product No.	Description	Width (in.)	1	10
2139137	Techspray	1820-5F	No-Clean, Military & NASA certified	.035	\$4.49	\$3.95
124126	Techspray	1815-5F	No-Clean, Military & NASA certified	.055	4.95	4.49
124118	Techspray	1816-5F	No-Clean, Military & NASA certified	.075	4.95	4.49
263708	Techspray	1817-5F	No-Clean, Military & NASA certified	.098	4.95	4.69
263695	Techspray	1803-5F	Pro wick, pure rosin	.075	3.95	3.75
263599	Techspray	1804-5F	Pro wick, pure rosin	.098	3.95	3.75
263581	Techspray	1811-5F	Pro wick, pure rosin with bobbin	.098	3.59	3.25
41082	ValuePro	GISW20	Desolder braid	.079	1.95	1.75
41100	ValuePro	GISW25	Desolder braid	.098	2.19	1.99
153462	ValuePro	GSR104D	Desolder braid	.120	2.25	1.95
2113130	Chemtronics	60-3-5	Soder-Wick® no clean size 3	0.08	4.95	4.49
2113148	Chemtronics	60-4-5	Soder-Wick® no clean size 4	0.11	5.95	5.39

Tape Products

*Web Code: TPS

Part No.	Description	Color	Width	Length	Thickness	1	10	50
285587	Vinyl electrical tape, Tartan 1710, UL	Black	.75"	20 yards	.007"	\$1.49	\$1.25	\$1.09
2153764	Vinyl electrical tape, Temflex™	Black	.75"	20 yards	.007"	1.35	1.19	1.09
2153791	Double sided foam tape	White	1.0"	4 yards	.125"	19.95	17.95	15.95
1643551	Embossed copper foil, 1245 tape	Copper	.50"	18 yards	.004"	22.95	21.49	19.95

PANA VISE PV Jr. Vise

- Jaw size: 1" wide x 2" long; opening: 2.8"
- Jaw heat tolerance: 350°F
- Vertical/horizontal jaw grooves
- Fine/coarse adjusting knob
- The vise neck tilts, turns and rotates
- Vise height: 6.8"
- Weight: 1.4 lbs.
- Base bolt is 4.3" and fits all PanaVise base mounts

Part No.	Mfr.	Part No.	1	5
134439	PVJR 201		\$27.95	\$25.95

360° Clamp Vise

- No tools needed — finger turn to tighten
- Ball cup allows vise to adjust to any angle
- Rubber jaws open 2"
- Size: 10.0"L x 2.5"W

Includes: interchangeable pipe vise attachment

Part No.	Cross Ref.	Wt. (lbs.)	1	5
127167	OR-307	2.1	\$19.95	\$17.95

Helping Hand with LED Magnifier Lamp

This is not your typical third hand tool. It is perfectly suited for soldering comfortably while keeping one hand free. With the LED magnifier light ring, you will be able to see all the details of your project.

*Web Code: YAU

- Large lens with 2x magnification
- Small embedded lens to 4x magnification of extremely small parts • Weight: 2.9 lbs.
- Ring light with 16 LEDs and gooseneck for optimum lighting • Easily adjustable hinge
- Adjustable third hand with two alligator clips
- Additional flexible 9.8" (250mm) gripping arm w/ alligator clip
- Soldering iron holder
- Solder wire reel holder
- Cast-iron base
- Stand size: 7.0"W x 7.0"H

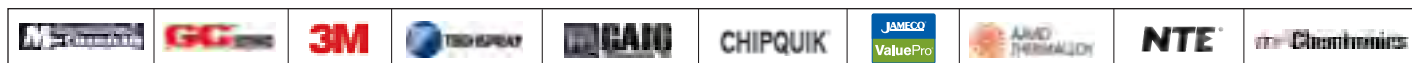
Includes: Power adapter and sponge

Part No.	Description	1	5
2168587	Helping hand	\$74.95	\$69.95

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com



Workshop Chemicals & Heat Sink Compounds

Jameco has all the solutions to make your job easier. There's a wide variety of products that can be used with any project. Use conductive pens to simplify soldering jobs by just drawing a trace on the circuit board. Solder flux comes in many varieties to help work and rework your soldering jobs. Heat sink compounds take the heat off of your components and eliminate the need for a bulky metal heat sink. Cleaning solutions keep your project looking clean and professional. If there's a way to make your job easier, Jameco can help.

Part No.	Manufacturer	Description	Vol. (oz.)	1	10
2120794	MG Chemicals	Adhesive epoxy, high temperature encapsulating and potting compound*	12	\$44.95	\$42.95
615769	GC Electronics	Adhesive, sealant, silicon, one part, non corrosive, clear	3	5.95	5.49
645845	3M	Super adhesive, household glue #6004*	1	4.49	3.95
263530	Techspray	Air duster, Envi-Ro-Tech, acusol, 100% HCFC, non-flammable, w/ trigger*	12	17.95	16.95
2094207	Caig/DeoxIT	Air duster, non-flammable, moisture free, non-ozone depleting, no VOC*	10	9.95	8.95
2112524	ChipQuik	Cleaner & tinner, soldering tip for pre-tinning & tinning*	8†	9.95	8.95
2094231	Caig/DeoxIT	Cleaner wash, contact evaporates quickly, safe on plastics*	10	8.95	7.95
2094223	Caig/DeoxIT	Cleaner, contact quick dry, chemically improves metal electronic connections*	0.5	10.95	9.95
118033	Techspray	Cleaner, contact, ECONOLINE, CFC free, aerosol can*	13.5	15.95	14.95
195004	Caig/DeoxIT	Cleaner, contact dioxidizer & preservative, improves electronic connections*	5	16.95	15.95
2094215	Caig/DeoxIT	Cleaner & conditioner, soldering tip	0.5	8.95	7.95
2178187	Caig/DeoxIT	Cleaner & conditioner for contacts, chemically improves all metal connections, 2-pack	0.5§	19.95	17.95
616331	GC Electronics	Conductive paint, silver print II*	0.5#	54.95	49.95
2110529	Caig/DeoxIT	Circuit writer pen, silver based, for drawing & repairing traces, works on rubb., epoxy, glass, plastic*	5g†	19.95	17.95
2168464	Bare Conductive	Conductive pen, non-toxic, water-based, water-soluble	0.34	18.95	17.95
2120559	MG Chemicals	Conformal coating, acrylic lacquer, protects from ESD*	2	13.95	12.49
616411	GC Electronics	Developer, positive type, concentrate, dilute 9:1*	6	11.95	10.95
2157941	3M	Electrical coating, clear lubricant prevents corrosion, moisture, oil and acids	15	29.95	26.95
616438	GC Electronics	Etching solution, PC board, ferric chloride solution*	32	24.95	22.49
616446	GC Electronics	Etching solution, PC board, ferric chloride solution*	128	44.95	41.95
139934	Techspray	Freeze spray, Envi-Ro-Tech, circuit chiller, CFC and HFC free*	8	16.95	15.95
2178179	Caig/DeoxIT	Grease, lithium-based with copper particles for lubrication and assist in oxide & corrosion breakup	1	15.95	14.49
615355	GC Electronics	Heat sink compound, 100% synthetic base stocks type 44	16†	39.95	35.95
236823	ValuePro	Heat sink compound, silicon based grease	0.35†	4.95	4.49
167249	Aavid Thermalloy	Heat sink compound, silicon based grease	2†	8.95	7.95
169252	Techspray	Heat sink compound, silicon free	4†	29.95	26.95
259151	NTE	Heat sink compound, white gel, thermal grease (5 pack)	0.35†	2.49	2.25
615312	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	0.23†	2.95	2.65
615321	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	1†	7.95	7.25
615304	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	16†	29.95	26.95
263572	Techspray	Isopropyl alcohol, plastic bottle*	16	14.95	13.49
615806	GC Electronics	Solder flux remover & cleaner II, non ODC*	16	11.95	10.95
118041	Techspray	Solder flux remover, ECONOLINE, CFC free, aerosol can*	13.5	15.95	14.95
1586015	Chipquik	Solder flux, tack for rework, no clean, 10cc w/ syringe	0.34	15.95	14.95
481764	Techspray	Solder flux, dispensing pen, No-clean, resin & halide free leaves no residue*	0.38	8.95	7.95
615224	GC Electronics	Solder flux, liquid, non corrosive, solution of special rosin in alcohol*	2	8.95	7.95
615232	GC Electronics	Solder flux, liquid, non corrosive, solution of special rosin in alcohol*	16	24.95	22.45
2094258	Caig/DeoxIT	Solder flux, rosin paste for electronic applications including PCBs	2	9.95	8.95
2113092	Chemtronics	Solder flux, rosin dispensing pen, for electronic applications including PCBs*	0.32	11.95	10.95
2098208	Chipquik	Solder paste, 63% SN, 37% PB, no clean 10cc w/ syringe	0.34	22.95	20.95
2098224	Chipquik	Solder paste, 63% SN, 37% PB, no clean 10cc w/ syringe, water washable	0.34	24.95	22.95
2097441	Chipquik	Solder paste, 96.5% SN, 3% AG, 0.5% CU, no clean 10cc w/ syringe	0.34	24.95	23.49
525851	Chemtronics	Cotton swabs, double headed, 6" handle, 100-pack	—	5.95	5.35

* Shipped via ground to continental U.S. only # Troy ounces † Measured by weight § Each

SHAPELOCK Re-Usable Plastic Prototyping Compound

"Shape-then-lock" Design Plastic

Build your invention now – without machine tools. Create super-strong custom parts, prototypes, molds, servo brackets, robot housings, sculptures, science projects, and more.

- Melts at 160°F
- Becomes rigid at room temperature
- Non-toxic, light weight and paintable
- Safely hand moldable
- Can be drilled, sawed, and machined

Part No.	Mfr. Part No.	Description	1	5
2112495	01-250	250 gram bag	\$14.95	\$13.49
2112508	01-500	500 gram bag	24.95	22.95



645845 263530 2094207 2112524



2094231 118033 195004 2094215 616331



2110529 2157941 139934 236823



167249 169252 615321 263572 1586015



481764 615224 2094258 2113092 2098208/2098224

* Workshop Chemicals — Enter Web Code YAQ

* Heat Sink Compounds — Enter Web Code YBA

JAMECO BenchPro Cleaning Brushes

153322: Metal handle
2157669/2157677: Plastic handle 153322

Part No.	Description	Length	1	10	100
153322	Soft bristles	6"	\$0.79	\$0.69	\$0.49
2157669	Brass bristles	7"	1.95	1.75	1.49
2157677	Steel bristles	7"	1.95	1.75	1.49

JAMECO BenchPro Plastic Pump Bottle

- 6 oz. bottle
- ESD compliant
- Plastic bottle with dispenser cover
- Color: light blue

Part No.	Cross Ref. No.	1	5	25
158131	450	\$14.95	\$13.49	\$11.95

JAMECO BenchPro Clip-On Heat Sink

- Absorbs and dissipates heat during soldering and desoldering sensitive parts

Part No.	Cross Ref.	Size	1	10	100
159126	HT156	2.7"L x 0.7"W	\$2.95	\$2.59	\$2.29

* Cleaning Tools — Enter Web Code CLE

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Solderless Breadboards & Jumper Wire



PARALLAX

Solderless Breadboards



The screen-printed color coordinates are suitable for many types of digital and analog prototyping and circuit design. Larger models feature a heavy-duty aluminum backing with binding posts. Use Jameco's AC/DC breadboard power supply, P/N 77682 (below).

*Web Code: HAC

- Accepts most electronic components, including integrated circuits and transistors for digital and/or analog circuitry
- Ideal for high frequency and low noise circuits
- Pins are identified by numbered rows and columns • 0.1" hole spacing
- Components are easily interconnected using 20-28 AWG wire (P/N 19290 & 20080, pg 143)
- Only boards of same manufacturer interconnect • One-year warranty



20670

20758

20812

Part No.	Manufacturer	Product No.	Terminal Strips	Bus Strips	Contact Points	Binding Posts	Breadboard Size (L" x W")	Baseplate Size (L" x W")	Weight (lbs.)	Pricing			
										1	10	50	100
94457	ValuePro	JE19A*	0	2	100	0	6.5 x 0.4	—	0.04	\$2.95	\$2.49	\$2.19	\$1.95
2155452	Wisher	WBP-317	1	0	170	0	1.9 x 1.3	—	0.03	2.95	2.69	2.49	2.19
2109801	Parallax	700-00012A	1	0	170	0	1.8 x 1.4	—	0.03	4.95	4.69	4.49	4.19
2155461	Wisher	WBP-323	1	2	270	0	2.6 x 1.6	—	0.05	3.95	3.69	3.29	2.95
2125018	BusBoard	BB300A	1	0	300	0	3.3 x 1.4	—	0.04	4.95	4.49	3.95	3.75
2157693	Goldtool	BB-801	1	2	400	0	3.3 x 2.1	—	0.11	4.95	4.49	3.95	3.29
20601	ValuePro	JE21A	1	2	400	0	3.3 x 2.1	—	0.13	5.95	5.49	4.95	4.49
20670	ValuePro	JE22A	1	0	630	0	6.5 x 1.4	—	0.20	6.95	6.29	5.49	4.95
194299	ValuePro	JE37A	1	2	640	0	6.9 x 2.4	—	0.25	10.95	9.95	8.95	7.95
2157706	Goldtool	BB-102	1	2	830	0	6.5 x 2.2	—	0.21	7.95	6.95	5.95	5.29
20723	ValuePro	JE23A	1	2	830	0	6.5 x 2.2	—	0.30	9.95	8.95	7.95	6.95
194272	ValuePro	JE34A	2	3	1,560	3	6.5 x 4.0	8.5 x 4.7	0.73	19.95	17.95	15.95	13.49
2157714	Goldtool	BB-2T1D	2	1	1,360	2	6.5 x 3.1	8.2 x 4.0	0.68	13.95	12.95	10.95	10.49
20758	ValuePro	JE24A	2	1	1,360	2	6.5 x 3.1	8.5 x 4.0	0.60	15.95	14.49	12.95	11.95
136901	ValuePro	WBU504†	2	3	1,855	4	5.5 x 5.5	7.4 x 6.3	0.90	21.95	19.95	17.95	15.95
20774	ValuePro	JE25A	2	4	1,660	3	6.5 x 4.3	8.5 x 5.1	0.80	22.95	20.95	18.95	16.95
2157722	Goldtool	BB-3T5D	3	5	2,390	4	6.9 x 5.8	8.7 x 7.2	1.28	24.95	22.95	19.95	19.49
20791	ValuePro	JE26A	3	5	2,390	4	6.9 x 5.8	9.1 x 6.9	1.10	29.95	27.95	24.95	21.95
2157731	Goldtool	BB-4T7D	4	7	3,220	4	7.3 x 7.5	9.3 x 8.1	1.60	29.95	26.95	23.95	23.49
20812	ValuePro	JE27A	4	7	3,220	4	7.3 x 7.5	9.5 x 8.3	1.40	36.95	34.95	31.95	28.95

* Pack of 2 † WBU5 and JE series do not interconnect



Powered Project Breadboards

*Web Code: XAT

Being confined to a lab bench in order to test your circuit can be a hassle. These breadboards have a built-in power supply, so all you have to do is plug it into the wall outlet and you're ready to go! Adjustable outputs make it easy to provide the right amount of power, and internal protection makes sure that your project is safe.

- Solderless breadboard with 2420 tie points
- Outputs are short-circuit protected
- Power switch with light
- Includes: 3-prong power cord

136259:

- Fixed power: +5V @ 1A; variable power: 0 to ±15VDC @ 500mA
- Edge plate for non-DIP size components
- Input power: 120/220VAC @ 50-60Hz (switchable)
- Replacement fuse: P/N 103908, pg 43
- One-year warranty
- Breadboard size: 7.4"L x 6.8"W
- Back panel has ground terminal

1942163:

- Input power: 110VAC or 220VAC @ 50-60Hz (switch selectable)
- Triple output power supply: fixed 5VDC @ 1.5A; 0 to ±16VDC @ 0.5A (adjustable)
- Breadboard size: 6.9"L x 5.8"W
- Grounded case
- Overload protection
- Fuse protection
- Lighted power switch

Part No.	Description	Overall Size	Wt. (lbs.)	1	5
136259	5VDC @ 1A & ±15VDC @ 0.5A	9.9"L x 7.8"W x 2.8"H	6.8	\$199.95	\$179.95
1942163	5VDC @ 1.5A & ±16VDC @ 0.5A	9.8"L x 7.8"W x 3.0"H	5.8	129.95	119.95



136259



1942163



AC/DC Power Supply



International 120/
220VAC Switchable

Output Specifications:

+5VDC @ 1A; -5V @ 300mA fixed;
0 to +15VDC @ 500mA variable;
0 to -15VDC @ 300mA variable;
12-6-0-6-12 tapped VAC,
300mA fixed

Ideal for Breadboards above

With built-in short-proof regulated power supplies.

- Input power: 120/220VAC @ 50-60Hz (switchable)
- Indicator lamps and power fuses
- Just plug in & start to use
- Compact & lightweight
- For both digital and analog circuits
- Color: beige
- Compatible with test leads P/N 77842, pg 129
- Size: 7.4"W x 5.5"D x 2.6"H
- One-year warranty

Part No.	Description	Wt. (lbs.)	1	5
77682	Power supply	5.5	\$169.95	\$159.95



Breadboard Pin to Breadboard Pin Test Leads

Part No.	Manufacturer	Description	1	10	50
421315	ValuePro	Breadboard pin to breadboard pin test leads (20 pk), 4 each color-coded (red, yellow, blue, black, white), 24 AWG wire, 5.9" wire length (150mm)	\$10.95	\$9.95	\$8.95
2150467	Dagu	140-piece jumper wire kit, 100 male-male cables (40mm, 80mm, 120mm), 40 female-female cables (40mm, 80mm), 5 colors	11.95	10.95	9.95
2117106	Schmartboard	Jumper wire kit (10 pack), each 7" long, 22AWG, color: blue, includes a 40-pin header	6.95	6.49	5.95



421315



Wire Jumper Kits

- 0.1" to 5.0" lengths (14 sizes)
- Clear plastic durable case
- Pre-stripped/preformed
- 22 AWG solid wire jumpers in 10 colors

19290

Part No.	Description	*Web Code: LAS	1	10	50	100
2127718	70-piece kit, 5 of each length		\$6.95	\$6.39	\$5.75	\$5.25
2096018	140-piece kit, 10 of each length		9.95	8.95	7.95	6.95
19290	350-piece kit, 25 of each length		16.95	14.95	12.95	10.95
20080	350 pieces, refill for 19290		11.95	10.95	8.95	6.95



Reinforced Jumper Wires

- 24 AWG-300 volts
- Reinforced pin ends for durability
- 10 pack assortment: 2 each yellow, white, red, black & blue

*Web Code: LAS



126342

Part No.	Cross Ref. No.	Length (mm/inch)	1	10	100
126360	J-50-R	50/1.97	\$5.95	\$5.49	\$4.95
126342	J-100-R	100/3.94	5.95	5.39	4.95
126325	J-200-R	200/7.87	6.95	6.29	5.49

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

JAMECO ValuePro Deluxe Electronic Kits



2129115 Top



2129115 Bottom



2129123 Top



2129123 Bottom

2129115: 219 pieces; fuses, battery holders, batteries, potentiometers, loudspeaker, capacitors, resistors, photoresistors, transistors, switches, LEDs, clips, jumper and hook wires, breadboard, AC adapter, and deluxe carrying case P/N 2129131

2129123: 109 pieces; voltage regulators, relays, diodes, switches, potentiometers, logic chips, DIP sockets, inverters, counters, timers, headers, 3-digit display, numeric keypad, DC power jacks, binding posts, solder tube, heatshrink tubing, printed circuit boards, clips, IC inserter, IC extractor, anti-static wristband, helping-hands, project box, deluxe carrying case P/N 2129131

2129131: Clear flip-top lid w/ 26 built-in compartments, case with 8 interchangeable compartments, snap-lock closure

- Color: black with clear lid
- Size: 15"L x 11.25"W x 3.75"H

* Web Code: CKS

Part No.	Description	1	5
2129115	219 pcs. deluxe kit	\$89.95	\$79.95
2129123	109 pcs. deluxe kit	99.95	89.95
2129131	Case with 34 compartments	17.95	16.95



Resistance & Capacitance Decade Substitution Boxes

Wide-range decade substitution boxes for product design or calibration checks.

- Light durable construction
- Case may be grounded separately
- Weight: 0.7 lbs.
- Three binding posts permit isolated substitutions
- Size: 4.7"W x 5.7"H x 1.4"D

211668: 1% resistance substitution from 1Ω to 11.111110MΩ

- 7 decade ranges of resistance
- 0.3W resistor
- Values can be changed in 1Ω increments

211676:

- 5% capacitance substitution from 100pF to 11.111μF
- 5 decade ranges of capacitance
- 50VDC rating

Part No.	Description	1	5
211668	Resistance box	\$99.99	\$94.95
211676	Capacitance box	129.99	122.95



211668

211676

JAMECO ValuePro Digital Design Lab

- 1580 tie points
- Fixed power supply: +5VDC @ 1.0A
- Two 7-segment displays (digit height: 0.3")
- DCV digital multimeter
- One-year warranty

Solderless Breadboard

- Interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies

- DC supplies equipped with short-circuit protection
- Variable DC power: 0 to ±15V @ 0.3A

Function Generator (6 ranges) • Sine/triangle wave output: 0-5Vp-p variable

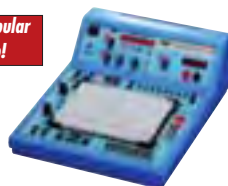
- Frequency ranges: 0.1Hz-2Hz, 1Hz-20Hz, 10Hz-200Hz, 100Hz-2kHz, 1kHz-20kHz, 10kHz-200kHz
- Square wave output: 0-15Vp-p

Universal Counter • 1Hz-100MHz, with 8-digit 7-segment LED display

Includes: Power cord and manual

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	5
75839	Digital lab	10.6 x 13.3 x 5.0	8.1	\$489.95	\$469.95
1952599	Replacement breadboard	4.5 x 6.75 x 0.37	0.5	29.95	26.95

* Web Code: LAJ



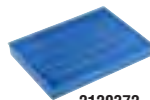
International 115/220VAC Switchable

Our most popular digital lab!

Bug Trays

- Tray size: 4.8"L x 3.6"W x 0.5"H
- 2120372:** 5 compartments (4.6"L x 0.58"W x 0.3"H ea.)

Part No.	Description	1	10	100
2120372	Divided bug tray	\$.99	\$.89	\$.79
2120381	Open bug tray	.99	.89	.79



2120372



Component Cabinets



319600



319601 Components not included

Drawer (319601) Divider (319611)

319600:

- Drawer can be divided into 3 sections (clear)
- Wall mountable cabinet (ABS black)
- Cabinet size: 6.0"D x 14.7"W x 7.4"H

Includes: 20 clear plastic drawers, 20 dividers and 30 adhesive I.D. labels

319601 (drawer): 5.5"L x 2.7"W x 1.5"H

319611 (divider): 2.5"W x 1.2"H

2108605:

- Cabinet size: 7.0"D x 17.6"W x 9.8"H
- Counter-top design (ABS blue)

Includes:

14 clear plastic drawers in 3 sizes:

(10) 6.4"L x 3.4"W x 1.5"H,

(3) 6.4"L x 8.8"W x 1.5"H,

(1) 6.4"L x 8.8"W x 3.4"H

and 20 adhesive I.D. labels



2108605

* Order in multiples of 10

Part No.	Description	1	10	100
319600	20-drawer cabinet	\$19.95	\$17.95	\$15.95
2108605	14-drawer cabinet	24.95	22.95	19.95
319601	Drawer for cabinet	.49	.45	.39
319611	Drawer divider for cabinet	* .15	.15	.12



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

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319601 Components not included

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319601 Components not included

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319601 Components not included

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319601 Components not included

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319601 Components not included

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319601 Components not included

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319601 Components not included

Drawer (319601) Divider (319611)



319601 Components not included

Drawer (319601) Divider (319611)



319601

JAMECO ValuePro



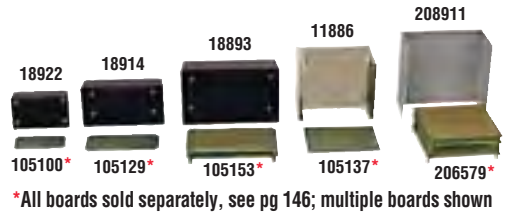
Metal and Plastic Enclosures

The prototype builder boards on pg 146 are designed to fit into our ABS plastic and aluminum enclosures, metal cabinets and heavy-duty instrument cases. The pre-cut boards have 2 or 4 mounting holes compatible with the PC board mounting hardware (P/N 106551) listed on pg 146.

Board description: Laminated glass epoxy 1/16" thick fire retardant per FR-4 specs. Copper-clad and solder mask one side. Drilled holes: .035" diameter on .080" square pad. Pads spaced on .10" x .10" grid.

*Web Code: UAL

See page 42 for Knobs and page 80 for Hardware



*All boards sold separately, see pg 146; multiple boards shown

ABS Plastic Enclosures

Lid for precision fit (adds 0.4" height). Complete with four screws and lid. All sizes below are interior dimensions.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
18922	H2855	3.1" x 2.0" x 0.9"	\$3.49	\$3.19	\$2.89	\$2.49
18914	H2853	4.9" x 2.5" x 1.5"	3.95	3.59	3.19	2.75
18893	H2851	6.0" x 3.5" x 1.9"	4.95	4.49	3.95	3.49
18906	H2852	7.5" x 4.3" x 2.3"	7.49	6.79	5.95	5.49

ABS Enclosures w/ Clear Top

Includes screws for mounting boards, rubber gasket for a tight seal on your equipment & drilled holes for mounting.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
141832	203C1	4.9" x 3.4" x 2.4"	\$9.95	\$8.95	\$7.95	\$7.29
141841	203D1	6.5" x 3.4" x 2.2"	9.95	8.95	8.49	7.95
141859	203F1	7.3" x 5.7" x 3.0"	14.95	13.95	12.95	11.95

ABS Heavy-Duty Instrument Cases

P/N 18877 includes ventilation and speaker sound slots.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
18869	H2505	7.9" x 6.3" x 2.5"	\$8.95	\$7.95	\$7.19	\$6.49
18877	H2507	10.0" x 7.5" x 3.1"	9.95	8.95	7.95	7.29

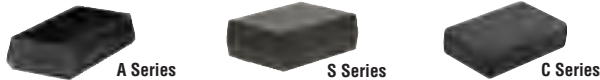
ABS Plastic Lip Top Enclosures

PCB standoffs molded into the case with a lip top for a precision fit. Painted black with a satin texture finish and protection against dust and splashing water. Assembly screws and lid included.

Part No.	Mfr. Part No.	Size (L x W x D)	Color	1	10	50
2138206	1551GBK	2.0" x 1.4" x 0.8"	Black	\$2.49	\$2.25	\$1.95
2138281	1553DGYBAT	5.8" x 3.5" x 1.0"	Gray	9.95	9.49	8.95

SERPAC

Specialty Enclosures



Please Note: Images used are representative. Color and shapes may vary by model.

A Series — with PCB Boss Mounts

• 4-pc design • Interchangeable end panel • 4-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Size (L" x W" x H")	1	10	100
373456	A-42-BK	Black	7.12 x 5.00 x 1.62	\$13.95	\$12.95	\$10.95

C Series — with Pinch-Fit for PCBs

• Simple 2-piece design • 2-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Size (L" x W" x H")	1	10	100
675331	C-4-BK	Black	2.13 x 1.38 x 0.58	\$2.95	\$2.69	\$2.39

STACK-ON 10-Compartment Storage Case

- Stack on red case with clear lid
- 10 different compartments with 2 removable/adjustable dividers
- Snap-lock closure
- Easy scoop design
- Weight: 0.6 lbs.

NEW
MARKED IN PINK



Part No.	Mfr. Part No.	Size (L" x W" x H")	1	5
2151110	SBR-10	0.8 x 6.0 x 1.8	\$6.95	\$5.95

Metal Enclosures

- Mounting screws and rubber feet included
- Glossy black textured steel top cover and ivory aluminum base

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
208901	B2741A	4.0" x 3.3" x 2.2"	\$6.95	\$6.49	\$5.95	\$5.49
208911	B2743A	5.9" x 5.3" x 3.0"	7.95	6.95	5.95	4.95
209350	B2746A	6.3" x 7.8" x 2.5"	10.95	9.95	8.95	7.95
208929	B2744A	7.3" x 6.3" x 2.8"	11.95	10.95	9.95	8.95
209358	B2747A	7.5" x 9.8" x 3.2"	15.95	14.49	12.95	11.95

Die-Cast Aluminum Enclosures

Made from aluminum, an excellent heat-sink, these cases are great for high temp circuits (up to 600°C). Includes screws.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
11957	B5002	3.9" x 2.0" x 1.0"	\$7.95	\$7.49	\$6.49	\$5.95
11965	B5004	4.7" x 2.6" x 1.4"	10.95	10.49	9.49	8.95
11973	B5006	7.5" x 4.3" x 2.4"	19.95	19.49	17.95	16.95

Aluminum Enclosures

The enclosure comes in two pieces which slide together.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
11870	H2300	4.0" x 2.0" x 2.8"	\$7.95	\$6.95	\$5.95	\$4.95
11886	H2320	5.0" x 4.0" x 3.0"	8.95	7.95	6.95	5.95
11894	H2335	7.0" x 6.2" x 4.6"	10.95	9.95	8.95	7.95

Rugged Diecast Aluminum Alloy Enclosures

Protects from dust and splashing water, while also providing EMI/RFI shielding. Designed to meet IP54 rating. Unpainted with a vibra finish. Assembly screws included.

Part No.	Mfr. Part No.	Size (L x W x D)	Cover	1	10	50
2138169	1550A	3.5" x 1.4" x 1.2"	Lid top	\$6.95	\$6.25	\$5.59
2138290	1590B	4.4" x 2.3" x 1.1"	Lip top	7.95	7.25	6.49
2138302	1590BB	4.7" x 3.7" x 1.2"	Lip top	10.95	9.49	8.49

S Series — Two-piece Standard Enclosures

- 2-piece design
- 2-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Batt. Holder	Size (L" x W" x H")	1	10	100
675454	110-I-BK	Black	None	3.61 x 2.27 x 1.01	\$3.95	\$3.49	\$2.95
675462	111-BK	Black	None	3.61 x 2.27 x 1.51	4.95	4.49	3.95
675489	131-BK	Black	None	4.38 x 3.25 x 1.51	6.95	6.49	5.95
675500	151-BK	Black	None	5.63 x 3.25 x 1.51	6.95	6.49	5.95
675593	251-BK	Black	1-9V	5.63 x 3.25 x 1.51	7.49	6.95	5.95
675526	171-BK	Black	None	6.88 x 4.88 x 1.51	9.95	8.95	7.95
675542	173-BK	Black	None	6.88 x 4.88 x 2.51	11.95	10.95	9.95
675551	193-BK	Black	None	9.50 x 6.34 x 2.51	15.95	13.49	11.95

†Insert on top is recessed 0.015" on all models designated with an "I"

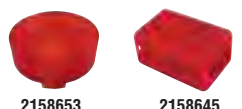
*Specialty Enclosures — Enter Web Code UAL



Raspberry Pi Enclosures

2158653: 6.35"Dia. x 2.56"H

2158645: 5.12"L x 3.35"W x 2.52"H



Part No.	Mfr. Part No.	Description	1	5
2158653	PP-11593	Pi Plate round enclosure, twist-lock cover, well suited for desktop users	\$9.95	\$8.95
2158645	PS-11591	Pi Sandwich rectangular enclosure, open on all four sides for direct access	6.49	5.95

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

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General Purpose Prototyping Boards

Select the prototype board that fits your needs from our comprehensive product listing. Prototyping boards with punched holes are convenient, economical tools for assembling circuit components and trying cost-effective alternatives to custom designs.

- 0.062" board thickness
- 0.1" hole spacing
- 0.08" pad size
- PCB material epoxy glass
- Plated through pads are double-sided

★ Web Code: PBH

See PCB enclosures on pg 145, and

mounting hardware (recommend P/N 106551) below

Part No.	Product No.	Size (W" x L")	Fits Enclosure(s) (see page 145)	Circuit Pattern	Hole Pads	# Holes x Dia.†	Power/Ground Buses	Connector I/O or Edge	# Mounting Holes x Dia.	Wt. (lbs.)	Pricing			
											1	10	50	100
105102	5002PCB	1.50 x 3.50	11957	C	Single-sided	365 x .038"	4	None	2 x .140"	.02	\$6.95	\$5.95	\$4.95	\$3.95
105100	2855PCB	1.60 x 2.70	18922	B	Single-sided	288 x .035"	None	None	2 x .115"	.02	5.95	5.49	4.95	4.49
105129	2853PCB	2.00 x 4.40	18914, 11965	C	Single-sided	669 x .038"	4	None	4 x .140"	.03	8.49	7.59	6.75	5.95
105111	2300PCB	2.40 x 3.40	11870	C	Single-sided	637 x .038"	4	None	2 x .140"	.03	7.95	7.19	6.49	5.95
263207	PCB-463	2.40 x 4.10	—	B	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	7.95	6.95	5.95
28178	PCB1	2.42 x 4.10	—	C	Plated through	674 x .040"	None	None	4 x .120"	.04	7.95	7.25	6.59	5.95
263215	PCB-858	2.50 x 4.25	18893	D	Plated through	640 x .042"	None	D-sub 25/USB/RJ45	4 x .120"	.05	8.95	7.95	6.95	5.95
105153	2851PCB	3.10 x 5.50	18893	C	Single-sided	1450 x .035"	7	None	4 x .140"	.07	9.95	8.95	7.95	6.95
263223	PCB-69	3.30 x 3.70	—	B	Single-sided	900 x .042"	None	None	4 x .120"	.05	8.95	7.95	6.95	5.95
105137	2320PCB	3.30 x 4.50	11886	C	Single-sided	1266 x .035"	4	None	4 x .140"	.06	8.95	7.95	6.95	5.95
105162	2852PCB	3.60 x 7.00	18906, 11973	B	Single-sided	2225 x .035"	4	None	4 x .140"	.10	13.95	12.49	10.95	9.95
21531	JE417	4.20 x 6.50	—	C	Plated through	2126 x .042"	2	D-sub 9/15/25/37	8 x .120"	.12	11.95	10.95	9.95	8.95
206587	2746APCB	4.30 x 6.80	209350	C	Single-sided	2550 x .042"	5	None	4 x .140"	.07	9.95	8.95	7.95	6.95
21435	JE401(8001)	4.50 x 6.50	18869	B/D	Single-sided	2360 x .042"	2	None	None	.12	16.95	15.49	13.95	11.95
21452	JE405(8003)	4.50 x 6.50	18869	C	Single-sided	2360 x .042"	1	None	None	.12	6.95	6.49	5.95	5.49
206579	2743APCB	4.60 x 4.30	208911	C	Single-sided	1684 x .042"	5	None	4 x .140"	.07	7.95	6.95	5.95	5.29
105180	2505PCB	5.00 x 6.50	18869	C	Single-sided	2829 x .035"	7	None	8 x .120"	.13	13.95	12.49	10.95	9.95
21478	JE407(8006)	5.00 x 13.25	—	B	Plated through	6063 x .038"	None	None	8 x .120"	.28	39.95	35.95	32.95	28.95
206594	2747APCB	5.50 x 8.00	209358	C	Single-sided	3906 x .042"	5	None	4 x .140"	1.0	11.95	10.95	9.95	8.95
105187	2507PCB	6.10 x 8.80	18877	C	Single-sided	4771 x .035"	7	None	8 x .140"	.21	16.95	15.49	13.95	11.95
2169547	PCB-7038-SINGLE	8.30 x 11.9	—	B	Single-sided	8819 x .042"	10	5	4 x .115"	.40	37.95	33.95	29.95	27.95
263232	PCB-7038	8.30 x 11.9	—	B	Plated through	8819 x .042"	10	5	4 x .115"	.40	39.95	35.95	31.95	27.95



Vector Prototyping Boards

Part No.	Product No.	Size (W" x L")	Fits Enclosure(s)	Circuit Pattern	Hole Pads	# Holes x Dia.†	Power/Ground Buses	Connector I/O or Edge	# Mounting Holes x Dia.	Wt. (lbs.)	1	10	50	100
43140	64P44XXP	4.50 x 6.50	18869	A	Drilled only	2860 x .042"	None	None	None	.09	\$8.95	\$8.49	\$7.95	\$7.49
52943	84P44WE	4.50 x 8.50	18877	A	Drilled only	3740 x .042"	None	None	None	.15	12.95	12.45	11.95	11.49
37612	169P44XXP	4.50 x 17.0	—	A	Drilled only	7524 x .042"	None	None	None	.25	15.95	15.49	14.95	13.95
37621	169P84WE	8.50 x 17.0	—	A	Drilled only	14,448 x .042"	None	None	None	.53	29.95	28.95	27.95	26.95

106551 20 pieces; PC board mounting hardware (4 spacers, 8 screws and 8 washers) used with all above boards

* PC/XT 8-bit # PCB material: phenolic † All 0.042" Diameter hole boards use terminals P/Ns 34147, 34155 and 34163 (below)



.042" Diameter Copper Alloy Wire Wrap and Push-In Terminals

★ Web Code: XCE

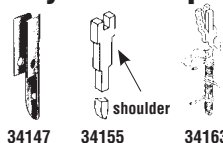
34147: Push-In Micro-Klip Terminals

34155: Miniwrap Wiring Terminals • Shoulder: .045"

- Two-prong w/ square tail for wire wrapping

34163: Klipwrap Wiring Terminals

- Three-prong with square tail for wire wrapping



Part No.	Mfr. Part No.	Height Above .062" Board	Length Below .062" Board	Post Size	Overall Length	100 pc. units	
						1	10
34147	T421-1/C	.200	.097	.032" x .045"	.36"	\$8.95	\$7.95
34155	T44/C	.065	.530	.025"Sq.	.69"	9.95	8.95
34163	T49/C	.200	.530	.025"Sq.	.83"	15.95	14.49



Spring Loaded Contact and Receptacle Terminals

0.100" Probe

- Material: barrel - copper alloy, gold plated; spring - stainless steel; ball - stainless steel gold plated; plunger - beryllium copper, gold plated; receptacle - copper alloy gold plated
- Min. centers: 0.100"; current rating 15A; working travel: 0.17" (0.25" max.); force: 6.7 oz (190grams); 0.054"Dia. x 1.31"L x 0.060" probe tip

★ Web Code: SPC

Part No.	Mfr. Part No.	Description	1	10	100
2125683	SH-100-F-6.7-G	0.100" probe	\$4.95	\$4.45	\$3.95

0.187" Probe and Receptacle

- Material: plunger - hardened beryllium copper, body - gold plated phosphorous bronze, spring and ball - stainless steel
- Min. centers: 0.187"; current rating 20A; working travel: 0.167"; spring force: 3.5 oz (99 grams); 1.21" length (peg), 1.05"L x 0.133"Dia.

Part No.	Mfr. Part No.	Description	1	10	100
2135259	P2757G-1R1S	0.187" probe	\$3.95	\$3.49	\$2.95
2135241	S2757-2ED	0.187" receptacle	3.95	3.49	2.95

SOLDERING ACCESSORIES

Be prepared to get to work and make sure you have all the tools you need with these best-selling soldering necessities.

Solder

Part No.	Mfr.	Description	Price
170457	ValuePro	15-ft solder tube, 0.031" Dia., 99.3% tin, 0.7% copper	\$3.25
141786	ValuePro	1 lb. solder roll, 0.031" Dia., 60% tin, 40% lead	32.95

Circuit Board Holders

Part No.	Mfr.	Description	Price
26690	BenchPro	Third hand tool w/ 3.5" magnifying lens, adjustable clip jaws	\$7.95
684844	Panavise	Circuit board holder w/ 8 rotating pos. & lateral notches	89.95

Cleaning Tools

Part No.	Mfr.	Description	Price
153322	BenchPro	6" acid brush tool with metal handle	\$7.95
41082	ValuePro	5-ft solder wick desoldering braid, 0.079" wide	1.95
158131	BenchPro	6 oz. plastic pump bottle with dispenser cover	14.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Prototype Boards, Circuit Boards & Accessories



BusBoard Breadboards and Prototyping Boards

BPS prototyping boards have unique board patterns that help speed-up the construction of your electronic prototypes and circuits. The breadboards and protoboards have the same pin-outs so you can transfer your design directly from the breadboard to the solderable protoboard.

- Precision-drilled
- Precision-etched

Plug-In Breadboards

These solderless "plug-in" breadboards provide a quick way to build and test circuits and can be transferred directly to the protoboards right away.

Part No.	Product No.	Size (L" x W" x D")	Points	1	10	50
2125018	BB300	3.3 x 1.4 x 0.3	300	\$4.95	\$4.49	\$3.95
20601	BB400	3.3 x 2.1 x 0.3	400	5.95	5.49	4.95
2123830	BB400T*	3.3 x 2.1 x 0.3	400	5.95	5.39	4.79
2125026	BB830T*	6.5 x 2.2 x 0.3	830	7.95	7.49	6.95

*Transparent



PT Series Prototyping Boards

Accommodates any mixture of 0.3" to 0.6" wide ICs with any number of pins, and any combination of resistors, capacitors, diodes, transistors, etc.

- Features power buses that connect to a power jack (recommended P/Ns 101178 & 101187, pg 101)

Part No.	Cross Ref.	Size (L" x W")	Hole Pads	# Holes x Dia.	# Mntg Holes x Dia.	1	10	50
645677	PB-456	3.5 x 2.5	Double-sided	456 x .036"	4 x .140"	\$9.95	\$8.95	\$7.95
262511	PB-1135	5 x 3.7	Double-sided	1135 x .036"	4 x .140"	12.95	11.95	10.95
262537	PB-1931	6 x 4.9	Double-sided	1931 x .036"	4 x .140"	14.95	13.95	12.95



Prototype Boards

Export Design Phenolic Prototype Board

Accommodates all types of IC's, transistor packages and passive parts. Lands and bus bars are tin plated. 0.1" centers.

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	1	10	50
616631	22-504	3 1/8 x 5 1/16 x 1/16	\$6.95	\$6.29	\$5.69

Experimenter's Phenolic Prototype Boards

616649: Copper plated with 94 five-point terminals and two 40-point bus strips

616673: Single land pattern

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	1	10	50
616649	22-508	2.0 x 6.0 x 1/16	\$13.95	\$12.95	\$11.95
616673	22-512	3.38 x 6.75 x 1/16	6.95	6.49	5.95

Perforated Bare Phenolic Prototype Boards

Unexcelled for prototypes, breadboards, hobby or science projects. Bare phenolic board with no copper clad.

616681: 0.1" spacing 616690: 0.1" spacing

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	Hole Dia.	1	10	50
616681	22-514	2.25 x 6.0 x 1/16	.042	\$7.95	\$7.49	\$6.95
616690	22-516	4.50 x 6.0 x 1/16	.042	5.95	5.49	4.95

Versa Strip Phenolic Prototype Board

- Alpha-numeric indexing
- 0.035" diameter holes
- Silver-plated land patterns
- 0.1" centers

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	1	10	50
616622	22-502	3.5 x 6.0 x 1/16	\$14.95	\$13.95	\$12.95

Plug-In IC Phenolic Prototype Board

ICs plug directly into board. Its 0.1" spacing accepts 14-pin up to 20-pin ICs. Silver plated lands with 22-way card edge connector plug on one end. 0.035" diameter holes.

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	1	10	50
616614	22-500	2.38 x 4.0 x 1/16	\$5.95	\$5.49	\$4.95



Positive Pre-Sensitized Circuit Boards

1 oz. copper (.0014") on an epoxy glass FR-4 board, UL94V-0 rated. The peel-off coating protects the board while handling or cutting prior to exposure. Use with developer mixed 1:9 with water (recommend P/N 616411, pg 142).

Part No.	Mfr. Part No.	Description	Size	1	10	50
616251	21-334	Single-sided	4" x 6"	\$6.49	\$5.95	\$5.49
616260	21-336	Single-sided	6" x 6"	7.95	7.29	6.49
616307	21-353	Double-sided	6" x 9"	13.95	12.95	11.95



Solderable PC Protoboards

- High-quality FR4 glass epoxy PCBs for long life
- Anti-tarnish protective coating for easy soldering

Part No.	Product No.	Size (L" x W" x D")	Points	1	10	50
2125042	SB300	3.0 x 1.20 x 0.06	300	\$4.95	\$4.49	\$3.95
2125051	SB400	3.0 x 1.90 x 0.06	400	5.95	5.49	4.95
2125034	BR1	7.0 x 1.85 x 0.06	830	6.95	6.49	5.95
2127241	PR3U	6.3 x 3.9 x 0.06	2356	10.95	9.49	8.95
2127267	ST3U	6.3 x 3.9 x 0.06	2356	10.95	9.49	8.95

* Web Code: PBH



Bare Copper Circuit Boards – Single Sided

1 oz. copper on base of either fiberglass or reinforced epoxy board.

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	1	10	50
616471	22-250	3" x 5" x 1/16"	\$4.95	\$4.49	\$3.95
616489	22-260	4" x 6" x 1/16"	5.49	4.95	4.49
616497	22-261	6" x 6" x 1/16"	5.95	5.49	4.95
616500	22-263	6" x 9" x 1/16"	6.95	6.49	5.95
616518	22-264	8" x 10" x 1/16"	10.95	9.95	8.95
616534	22-268	11" x 14" x 1/16"	15.95	14.95	13.95

* Web Code: CTB



Copper-Plated Blank Circuit Boards

Ideal for hobbyists & students doing prototypes of circuits. Both single and double-sided boards are copper plated.

- 1.6mm (1/16") thick
- PCB material: phenolic



* Web Code: CTB

Fig. 1



Fig. 2



Fig. 3

Part No.	Cross Ref. No.	Description	Fig.	Size (L" x W")	1	10	50
169279	PCBS3X6	Single-sided	3	2.9 x 5.9	\$2.95	\$2.69	\$2.39
169288	PCBS6X6	Single-sided	2	5.9 x 5.9	3.95	3.49	2.95
169296	PCBS12X12	Single-sided	1	11.8 x 11.8	11.95	10.95	9.95
169309	PCBD3X6	Double-sided	3	2.9 x 5.9	3.95	3.49	2.95
169317	PCBD6X6	Double-sided	2	5.9 x 5.9	6.95	6.39	5.59
169325	PCBD12X12	Double-sided	1	11.8 x 11.8	19.95	17.95	15.95

Photofabrication, Exposure and Economy Etching Kit

The kits below allow you to produce professional printed circuit boards quickly and at a lower cost than a professional design house.

* Web Code: MGC

2121017: Photofabrication kit

- 3 single sided presensitized PCB boards (3" x 5", 4" x 6" and 6" x 6")
- Instruction sheet
- Chemicals: developer and ferric chloride
- Foam brushes, development tray, rubber gloves

2121025: Exposure kit

- Fluorescent light fixture w/ stand
- Instruction sheet
- Daylight fluorescent bulb
- Acrylic weight for artwork

2121033: Economy Etching kit

- 5 liter etching tank
- Instruction sheet
- Air pump and tubing, spraying unit, vinyl gloves

Part No.	Description	1	5
2121017	416-K photofabrication kit*	\$69.95	\$64.95
2121025	416-X exposure kit	64.95	59.95
2121033	416-ES economy etching kit	64.95	59.95

* Shipped via ground – available continental U.S. only

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

Prototyping Boards & Surface Mount Adapters

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN

JAMECO ValuePro Prototyping Developer Kit

The Jameco prototyping developer kit includes everything you need to get started with prototyping your own PCB.

- 2 precoated circuit boards, 3" x 4" x 1/16" (P/N 156751, below)
- 4 oz. positive developer concentrate (P/N 156734, below)
- 32 oz. etching solution (P/N 616438, pg 142)

Part No.	Description	1	5
2113244	Prototyping developer kit*	\$46.95	\$42.95

*Shipped via ground - available continental U.S. only

DATA Pre-Sensitized Circuit Boards & Chemicals

Circuit Boards

- Pre-coated circuit board
- 1/16" thick

Part No.	Mfr. Part No.	Description	1	10	50
2097117	14-024	Single sided (2.0"L x 4.0"W)	\$4.49	\$3.95	\$3.49
156751	14-034	Single sided (3.0"L x 4.0"W)	5.49	4.95	4.49
2161318	14-036	Single sided (3.0"L x 6.0"W)	6.49	5.95	5.49
2161326	14-046	Single sided (4.0"L x 6.0"W)	6.95	6.49	5.95
2161334	14-066	Single sided (6.0"L x 6.0"W)	8.49	7.95	7.49
156742	14-234	Double sided (3.0"L x 4.0"W)	5.95	5.49	4.95
2161342	14-266	Double sided (6.0"L x 6.0"W)	9.49	8.95	8.49

Copy Sheets and Chemicals

2097070	12-500	Clear copy sheets (8.5" x 11.5") 5 pk.	\$4.95	\$4.49	\$3.95
70201	ER3*	Dry concentrated etchant (makes 1 pint)	6.95	6.49	5.95
156734	12-404*	4 oz. positive developer	17.95	16.95	15.49
2097088	12-800	Tin plating copper kit†	19.95	17.95	15.95

*Shipped via ground - available continental U.S. only

†Includes ER-18 tinnit solution, 8"x6"x2" pan, 16 oz. bottle

BELLIN DYNAMIC SYSTEMS, INC. Surface Mount Proto Boards

Easy, cost-effective and versatile Snap-Apart™ solution from Bellin Dynamic Systems.

- V-groove scoring between elements for smooth straight edges
- Board thickness: 0.031" • Size: 7.6"L x 5.0"W
- Compatible with .100" single or dual row male headers (see pg 57)

Small SMT

Part No.	Mfr. P/N	Board Description	1	10
215491	B502	160 SMT pattern, SOT/SOIC/TSOP/MSOP/DPAK & more ...	\$44.95	\$39.95
227344	B513	300 SMT pattern, SC90, SOT23-6, 323-6, TSOP, MSOP8, 10+ ..	44.95	39.95

SOIC

215520	B505	60 SOIC SMT pattern, SOIC 8, 14, 16, 24, 32, 40 & more ..	\$44.95	\$39.95
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Fine Pitch Dual Row

323889	B516	54 SMT pattern, 0.65mm TSSOP 14/16/20/28 to DIP 0.300/0.600	\$44.95	\$39.95
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microEngineering Labs "PICProto" Prototyping Board

- Holds microcontroller, 5V regulator, oscillator, capacitors and DB9-25 connector
- Double-sided board with plated-through holes
- Large prototyping area
- Silkscreen legend

Includes: Documentation sheet with schematic, suggested parts and placement

PICProto 18: All 18-pin PICs including PIC16C52, 54, 56, 58, 554, 558, 61, 620, 621, 622, 71, 710, 711, 712, 715, 716, 84, 16CE623, 624, 625, 16F627, 628, 83 and 84

Part No.	Mfr. Part No.	Description	Size (L" x W")	1	5
132644	PP18	PICProto 18	3.0 x 1.5	\$9.95	\$8.95

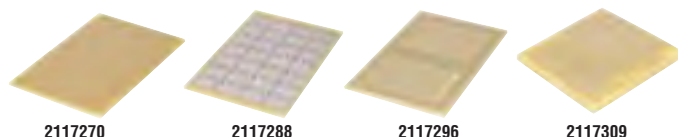
UVP EPROM Eraser

- Erases 1 chip in 15 min. or 8 chips in 21 min.
- Conductive foam liner eliminates static build-up
- Maintains constant exposure distance of 1"
- Built-in safety lock to prevent UV exposure
- Complete with holding tray for 8 chips
- UV intensity: 6.8mW/cm²

Part No.	Description	Size (L" x W" x H")	Weight	1	5
15712	8-chip eraser	9.0 x 3.7 x 2.6	2.3 lbs.	\$195.95	\$175.95
34382	Replacement lamp	—	0.6 oz.	39.95	34.95

BoardworX

Surface Mount Proto Boards



BoardworX utilizes a new SMT prototyping system called the "Universal Grid" concept which allows fast and easy prototyping of almost all surface mount parts on a single board (except BGAs)

2117270: Surface mount only

2117288: Surface mount and 28 power plane pads

2117296: Surface mount and thru-hole

2117309: Surface mount only (3-pack)

*Web Code: HDS

Part No.	Description	Size	Grid Spacing (Top/Bottom)	1	10	100
2117270	SMT-100	3" x 2"	0.02"/0.025"	\$12.95	\$11.95	\$10.95
2117288	SMT-200	3" x 2"	0.02"/power pad	12.95	11.95	10.95
2117296	SMT-300	3" x 2"	0.02"/0.025"	12.95	11.95	10.95
2117309	SMT-400	1" x 0.95"	0.02"/0.025"	6.95	6.25	5.59

SMT to DIP Adapter

*Web Code: HDS

This adapter makes it easy to prototype with surface mount ICs on your solderless breadboard. Simply solder the IC onto the adapter and the pins will plug directly into your board.

- Multiple boards in one package that break away
- Each one includes a row of headers for use with breadboards

Part No.	Mfr Part No.	Pitch	No. of Boards	1	10
2130263	204-0004-01	1.27mm	3 (one 8-pin, one 18-pin, one 28-pin) ..	\$7.95	\$6.95

Surfboards®

*Web Code: HDS

Mini breadboards for surface mount devices

Part No.	Mfr. Part No.	Description	1	10
207360	9081	For 8-pin SOIC	\$2.49	\$1.95
207378	9082	For 8-pin SOIC	3.95	3.15
207386	9161	For 14/16-pin SOIC; 0.1" pin spacing; 0.65"H	2.49	1.95
207394	9163	For 14/16-pin SOIC; 0.1" pin spacing; 0.65"H	5.95	5.49

JAMECO ValuePro Dual-Sided SMT Adapter Boards

These surface mount adapters have different package topologies on either side so you can test multiple SMT chips using just one adapter board.

- 0.10" pin spacing
- Holes are plated-through
- Boards easily breakaway

NEW
MARKED IN PINK

2178195: 8/16/28-pin SOIC & TSSOP packages

2178208: Accommodates multiple packages including SOIC, TSSOP, SOT, TO, HC and SMT passive components

Part No.	Size	1	10
2178195	0.7"W x 2.6"L	\$7.95	\$6.95
2178208	2.3"W x 3.4"L	29.95	27.95

MICROCHIP PICKIT™ 2 Microcontroller Starter Kit

The PICKIT™ 2 microcontroller programmer is a low cost development programmer. It is capable of programming most of Microchip's Flash microcontrollers. New device support can be added by updating the operating system. The latest firmware is available on Microchip's website.

Includes: PICKIT™ 2 development programmer, demo board with 8-bit CMOS MCU, two starter CD ROMs, and USB cable

Part No.	Mfr. Part No.	Description	1	5
697338	DV164120	Programmer starter kit	\$79.95	\$74.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



IC Programming Solutions

*Universal Programmers and Adapters — Enter Web Code SUP

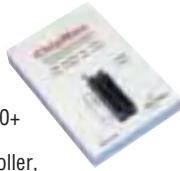
EE Tools' main goal is to develop and manufacture the most sophisticated, reliable, fast, stand-alone and PC-based device programmers which will surpass those currently on the market.

- All products made in the USA
- Free software updates for life
- CE approved
- Guaranteed fast and competitive programming speed and reliability



ChipMax Low Cost Universal Programmer

- Parallel port interface
- Input voltage: 5V
- 40-pin ZIF socket
- No. of devices supported: 8,000+
- Supports: Flash EPROM, EPROM, EEPROM, Microcontroller, PALCE, GAL



ChipMax2 Low Cost Fast Universal Programmer

- USB interface
- 48-pin ZIF socket
- Input voltage: 5V, 3.3V, 2.7V, 1.8V
- No. of devices supported: 15,000+
- Supports: NAND Flash Memory, Standard Flash Memory, EPROM, EEPROM, Serial PROM, GAL, FPGA, MCU



TopMaxII High Speed Universal Programmer

- USB 2.0 PC interface
- 48-pin ZIF socket
- Input voltage: 5V, 3.3V, 1.8V
- No. of devices supported: 20,000+
- Supports: NAND Flash Memory, Standard Flash Memory, EPROM, EEPROM, Serial PROM, PAL, GAL, FPGA, MCU



Part No.	Mfr. Part No.	Price
207731	CHIPMAX	\$294.95

Part No.	Mfr. Part No.	Price
694866	CHIPMAX2	\$544.95

Part No.	Mfr. Part No.	Price
2110158	TOPMAXII	\$794.95



RFID Design Lab

The RFID design lab will read, detect and verify UID data within the first SEEPROM, while automatically storing into the second SEEPROM the date and time as a login record. By default the induction board is set to use a USB interface, but can be configured for serial interface.

- LP-2010 TRF7960 induction board
- 16 x 2 LCD monitor
- RS-232 or USB interface for RFID chip-board
- Status lamp (green/yellow/orange/red) and buzzer
- 2 individual relays with connector for open/close operation

Includes: Power cables, USB-A to USB-B cable, CD w/ demo program & manual



Part No.	Mfr. Part No.	Size (W" x D" x H")	1	5
2128104	LP-2010	12.8 x 9 x 3.5	\$699.95	\$669.95



PIC Device Programmer/IC Writer

This PIC device programmer is manufactured under license from Microchip Technology and provides a highly flexible and low-cost tool for designing microcontrollers.

- Serial RS232 port
- Built-in editor, assembler and simulator
- Supports most DIP-packaged PIC microcontrollers available from Microchip
- Power consumption: 10W max.
- Operated with Microchip's free Integrated Development Environment MPLAB
- Reads, programs, and verifies all configuration bits
- Reads, programs, and verifies EPROM and EEPROM program and data memory

Includes: RS-232 cable, DC Power adaptor, CD-ROM user's manual

Part No.	Description	1	5
2156041	PSTART PIC programmer	\$169.95	\$159.95



Flash Writer/Programmer with USB Interface

- Supports Flash EPROMs, EEPROMs & EPROMs
- Type, read, load, edit, checksum, erase, blank check, program, verify, protect functions
- Programs 8-bit Flash serial ICs via USB cable on Windows® 9x/2000/XP
- High speed: only 22 seconds to blank check, program and verify MXIC MX29F040
- File formats supported: binary & machine code, Intel HEX, Motorola HEX, Tektronix

Includes: USB cable, 12V @ 500mA adapter, CD-ROM software and manual

Part No.	Description	1	5
225947	Leaper 3D Flash programmer/writer	\$295.95	\$275.95



USB AVR Programmer

This programmer emulates an AVRISP v2 on a virtual serial port, making it compatible with standard AVR programming software.

- In-system programmer (ISP)
- Extremely compact
- Compatible with Windows XP, Windows Vista, Windows 7, and Linux

Includes: 6-pin ISP programming cable and USB-A to mini-B cable

Part No.	Description	Size (L" x W")	1	5
2136420	USB AVR programmer	1.35 x 0.6	\$19.95	\$18.95



USB Handy Universal IC Writer

This IC writer can automatically detect device pin insertion in order to provide great connectivity and avoid mistakes while programming.

- Supported devices: EPROMs, EEPROMs, FLASH, Serial EEPROM, NV-RAMs, Microcontrollers, DSP, PLDs, and more
- Fast programming; it only takes 20 seconds to process 1Mbit FLASH memory
- Device processing interface
- Graphic operation software
- System self-test function
- Auto-programming and system self-test functions
- Supports low-voltage components for programming
- Compatible with Windows® 98/ME/2000/XP

Includes: Power adapter, USB cable, user's manual and drivers

Part No.	Description	1	5
2146599	Leaper-48 Universal IC Writer	\$595.95	\$565.95



USBtinyISP AVR Programmer Kit – v2.0

The USBtinyISP is a simple open-source USB AVR programmer and SPI interface. It's a low-cost, simple solder kit, and has both 6 and 10-pin standard ISP cables. Works with AVRdude and AVRStudio-compatible and tested under Windows® XP, Linux & MacOS X.

NOTE: Does not do JTAG or high voltage programming.

- Max clock rate: 400kHz
- Read/write speed: 2kb/s, 1kb/s
- 2 status LEDs: "USB/Power Good" and "Busy"
- I/O buffering allows programming of 2V-6V targets
- Powered off 5V USB bus @ <100mA
- 26 pieces

Includes: PCB, enclosure, MCU, and components

Requires: USB-A to USB-B cable (P/N 222608, pg 152, not included)

Part No.	Description	1	5
2136788	USBtiny AVR programmer kit	\$25.95	\$24.95



USB PIC Programmer

More than 300 PIC microcontrollers are supported and support for future devices can be added via FLASH firmware updates. Intelligent voltage regulation allows programming of the new, low voltage PIC® MCUs as well as standard 5V devices.

- Dual color indicator shows ready/busy states
- Full featured, command-line operation
- Fast full speed USB data transfer
- Standard USB cable (Type A male to Type B male)
- HID interface
- Automatic Vdd and Vpp adjustment for different PIC MCUs
- Size: 2.3" x 1.8"
- Compatible with microchip HEX format files & all programming adapters

Part No.	Mfr. Part No.	Description	1	5
1942382	U2	USB PIC programmer	\$89.95	\$84.95



Basic EZ Programmer

Provides a quick and simple method of reading and programming CSS555 and CSS555C Programmable 555 Timer IC devices (page 6).

- Runs on 2 AA batteries (included)
- Provides both program and read functions
- Complete programming instructions included

Part No.	Description	1	5
2158733	Stand-alone EZ programmer	\$32.95	\$29.95



*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

PC Power Supplies, PC Peripherals & CPU Fans

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACORY OVERRUN



60 to 800-Watt PC Power Supplies

★ Web Code: HCA

†† 80 Plus Energy Efficient



2081861



1955941



2081887



2081879



427928



2126088



AT Power Supplies

Part No.	Mfr.	Mfr. Part No.	Power (W)	Output (VDC/Amps)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Certification	Size (L" x W" x H")	Wt. (lbs)	Pricing		
										1	5	25
249754	Sparkle	SPI-300G	300	+5/30, -5/0.5A, +12V/12A, -12V/0.5A	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 105)	UL/CSA/TUV FCC	5.5 x 5.9 x 3.4	3.5	\$64.95	\$58.95	\$52.95
2081861	Pacific Power	KPP400-29*	400	+5/42, +12/14, -5/1, -12/1	100-240 @ 50-60 switching	3-prong AC receptacle (P/N 38050, pg 105)	CUL/TUV/CE	5.5 x 6.0 x 3.5	4.6	49.95	44.95	39.95

ATX Power Supplies

Part No.	Mfr.	Mfr. Part No.	Power (W)	Output (VDC/Amps)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Certification	Size (L" x W" x H")	Wt. (lbs)	Pricing		
										1	5	25
1955941	Magic Power Tech	MPI-806H*	60	+3.3/6, +5/8, +12/3, +5VSB/0.75, -12/0.5	90-264 @ 47-63 switching	Connector, CN1-CN3	UL/CB/TUV	5.0 x 3.1 x 1.5	1.0	\$89.95	\$84.95	\$79.95
2081887	Enhance	ENP-0185T*	150	+3.3/7, +5/12, +12/5, +5VSB/0.8, -5/0.2, -12/0.3	200-240 @ 50	3-prong AC receptacle (P/N 38050, pg 105)	CUL/TUV/CE	7.5 x 3.3 x 1.7	2.5	9.95	8.95	7.95
2081879	Pacific Power	KPT230C-4A*	230	+3.3/15, +5/25, +12/9, +5VSB/1A, -5/1, -12/1	100-240 @ 50-60 switching	3-prong AC receptacle (P/N 38050, pg 105)	CUL/TUV/CE	8.0 x 4.0 x 1.6	3.0	14.95	13.49	11.95
2110422	Sparkle	SPI2501UH-B204*	250	+3.3/16 +5/18, +12v1/16, +12v2/16 -12/0.8, -5/0.3, +5VSB/2.5	90-264 @ 47-63 switching	3-prong AC receptacle (P/N 38050, pg 105)	UL/CSA/TUV/CE/CB††	7.5 x 3.9 x 1.6 (1U)	2.9	79.95	69.95	64.95
427928	Seasonic	SS-300SFD Active PFC*	300	+3.3/20, +5/20, +12/8, +12/14.5, -12/0.8, +5VSB/2	90-264 @ 47-63 switching	3-prong AC receptacle (P/N 38050, pg 105)	UL/CUL/TUV/CE	5.1 x 4.9 x 2.5	2.7	59.95	53.95	49.95
2172754	Top Moco	P6350H1FRS2	350	+3.3/20, +5/20, +12/16, +12/12, -12/1, +5VSB	115/230 @ 50-60 switching	3-prong AC receptacle (P/N 38050, pg 105)	UL/CUL/TUV/CE	8.0 x 4.0 x 1.5 (1U)	3.0	39.95	34.95	29.95
2126088	Apower	AK800*	800	+3.3/25, +5/28, +12/18, +12/28, -12/0.5, +5VSB/3	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 105)	FCC/CE	10.8 x 6.8 x 4.0	4.3	69.95	62.95	56.95

* See photo above † Comes with SATA ready connector †† 80 Plus energy efficient



ATX Power Cable

For other Computer Power Cables and Adapters, see page 152

★ Web Code: CCS

Part No.	Description	Length	AWG	Pricing		
				1	5	25
1955950	20-pin ATX, 4-pin Molex type (for P/N 1955941)	11.5"	18	\$24.95	\$22.49	\$19.95
170238	20-pin ATX extension cable (female to male)	15"	18	8.95	7.95	6.95

1955950



170238



Computer Switchbox

- 2-port switchbox
- DB25 female (2 PCs to 1 printer)
- Size: 6.0"L x 5.8"W x 2.3"H
- Weight: 1.4 lbs.

★ Web Code: CAK



CPU Cooling Fans without Heat Sinks

- Size: 2.55"W x 1.0"D x 3.15"H

★ Web Code: MBG



2125886

Part No.	Cross Ref. No.	1	5
20095	40D3-17602	\$19.95	\$17.95

Part No.	Intel Part No.	Description	1	10
2125878	A50441-002	For socket 370 PIII, 12V @ .17A, 3pin connector	\$4.95	\$4.49
2125886	A50933-003	For socket 370 PIII, 12V @ .17A, 3pin connector	4.95	4.49



Mice, Keyboards & Keypads



★ Web Code: LBU



305082



2006650



265447



681230



454483



1537109



265375

Part No.	Manufacturer	Mfr. Part No.	Type	Interface	Description	Size (L" x W" x H")	1	10	25
305082	iOne	Libra-90	Trackball	USB-PS/2	PS/2 trackball mouse with USB adapter, black	5.6 x 4.7 x 1.9	\$24.95	\$22.95	\$19.95
2006650	iOne	MSM9UP-BLK	Optical	USB-PS/2	3-button mouse with scroll, black	4.5 x 2.3 x 1.5	8.95	7.95	6.95
265447	Memorex	32022378	Optical	PS/2	Wireless, 5 button optical scrollpro w/ PS/2 to USB adapter	4.9 x 3.0 x 1.6	9.95	8.95	7.95
681230	NMB Tech.	RT915CTW	Keyboard	PS/2	104-key w/12 function keys & built-in SRS 3D speakers, beige	18.5 x 10.0 x 3.2	9.95	8.95	7.95
454483	Powmax	HB5103	Keyboard	PS/2	104-key w/18 hotkeys, 3-button optical scroll mouse & speaker set	17.1 x 6.1 x 1.0	10.95	9.95	8.95
1537109	Arctic	Panova 25551	Keypad	USB	18-key numerical pad, plug and play, black	4.3 x 3.0 x 0.5	8.95	7.95	7.49
265375	iOne	Scorpius-22	Keypad	RS232(DB9)	22-key numerical pad, tilt-adjustable, IBM/PC compatible, black	4.3 x 3.0 x 0.5	39.95	35.95	31.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

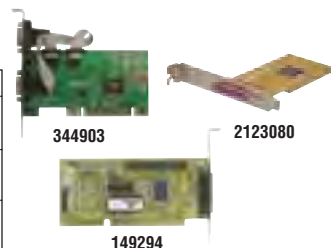
Add-On Cards, Rack Mount Enclosures & Surge Protectors



Serial & Parallel Interface & SCSI Cards

★ Web Code: VBB

Part No.	Mfr.	Product No.	Bus	Ports	Connectors	Description	1	10
344903	SYBA	SD-PCI-1S	PCI	2	DB9	Serial Interface Card, 32-bit PCI bus, dual DB-9 male, Nm9835CV chipset	\$27.95	\$24.95
2123080	ValuePro	U10-00075	PCI	1	DB25	Parallel Interface Card, 16-byte FIFO, 2.7MBps transfer rate, IEEE 1284-1994, supports ECP/EPP/SPP/BPP, Windows/Linux	17.95	15.95
149294	ValuePro	CI-2020	ISA	4	50-pin F	SCSI card, DOS, Windows NT/95, OS2 netware, SCO UNIX compatible, internal and external SCSI-II connectors, fast SCSI II	19.95	17.95



Jameco ValuePro 19" Rack Mount Enclosures

- Ventilation holes on all sides
- Front and back panels are steel w/ aluminum, pre-punched face plates
- 0.12" thick black front panel
- Top, bottom and sides are durable 0.035" steel
- All enclosures have handles except P/N 132813



Includes: Mounting screws

Part No.	Dimensions (In.)			Wt. (lbs.)	Pricing	
	H1	H2	D		1	5
149500*	3.50	1.70	15.80	8.0	\$34.95	\$29.95
132813	1.73	1.25	9.75	6.2	39.95	36.95
132822	3.46	3.00	9.75	7.9	53.95	48.95
132840	3.46	2.88	11.75	9.1	56.95	51.95
132848	5.22	4.75	11.75	10.6	62.95	56.95
132864	8.56	8.00	13.50	15.4	109.95	99.95

*2U fixed rack shelf

★ Rack Mount Products — Enter Web Code GAT



HDD Removable Enclosure

SATA Hot Swappable

- For 5.25" drive bays
- For 3.5" SATA and SATA II hard disks

★ Web Code: HDD

Part No.	Description	Size (W" x D" x H")	1	5
2120444	SATA	5.9 x 7.8 x 1.7	\$6.95	\$5.95



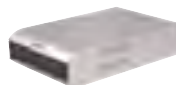
SATA External Enclosure

- For SATA 3.5" and 2.5" drives
- Internal fan for cooling drive
- SATA-II compatible

Includes: 20" external SATA cable, 42W dual output table-top power supply w/ a 4-pin DIN connector, power cable & hardware

★ Web Code: HDD

Part No.	Description	Size (L" x W" x H")	1	5
2125211	SATA	7.9 x 5.1 x 1.9	\$12.95	\$11.49



Jameco ValuePro USB-A Cable w/ Bracket

- Add additional USB ports to your PC
- Dual USB-A female ports
- 8"L cable
- Supports data transfer rates of 12Mbps

Part No.	Description	1	10	25
144813	(2) 1x5-pin connectors ...	\$3.95	\$3.59	\$3.29



★ Computer Brackets — Enter Web Code EAM

KILL-A-WATT ENERGY METER

P/N 2075946 \$29.95

Discover how much energy your appliances consume. Plug and play.

- Cumulative Kilowatt-Hour monitor
- Monitor Volts, Amps, Watts, Hz, & VA
- Large LCD display • 0.2% accuracy
- Maximums: 125VAC/15A/1875VA



TRIPPLITE 4, 7, 8 & 12-Outlet Surge Protectors

Isobar Premium Surge Protectors

- Up to \$50,000 Ultimate Lifetime Insurance covers Isobar and connected equipment against surge damage for life!
- Diagnostic indicators on Ultra versions alert you to improper outlet wiring, loss of AC power, and damage to protection circuitry
- UL 1449 and 1283 listed • Lifetime warranty

18981: • Size: 5.8"L x 3.5"W x 2.5"H

19001: • Size: 9.0"L x 3.5"W x 2.5"H



isobar®



Part No.	Mfr. Part No.	Joules	Description	Wt. (lbs.)	1	5
18981	ISOBAR4 [®]	2200	4 outlet, 2 isolated filters (6')	2.4	\$59.95	\$53.95
19001	ISOBAR8U	2350	8 outlet, 4 isolated filters (12')	3.5	74.95	66.95


Super 7 Standard Surge Protector – 7 Outlet

- \$75,000 Ultimate Lifetime Insurance • Up to 42,000 amp spikes
- Effective spike and noise suppression w/ diagnostic LEDs

Part No.	Mfr. Part No.	Joules	Size (L" x W" x H")	Wt. (lbs.)	1	5
124337	Super7	2350	10.5 x 2.5 x 1.5	1.6	\$19.95	\$17.95

12-Outlet Power Strip

- No surge suppression
- Lighted/protected switch • 15' cord • Size: 36"L x 1.5"W x 1.5"D

Part No.	Mfr. Part No.	Electrical Rating	Outlet Spacing	Wt. (lbs.)	1	5
2114642	PS3612 	1800W (15A)	2.638"	3.8	\$44.95	\$42.95

★ Surge Protectors — Enter Web Code CAC

IEC Connectors and Cables
see pages 104-105

Jameco ValuePro 5 & 6-Outlet Surge Protectors

2135611: 6-outlet; 2.5' cord

- Size: 10.5"L x 1.7"W x 1.1"H
- Clamping voltage: 700V
- Resettable circuit breaker, 15A

20175: 6-outlet; 4' cord

- Metal power strip • Size: 12.3"L x 2.4"W x 1.3"H

216485: 6-outlet; 4' cord

- Heavy-duty power cord (14AWG x 3)
- Size: 9.5"L x 1.7"W x 1.4"H
- Clamping volt.: 400V • Max. surge voltage: 6500V
- RESET/OFF switch with built-in 15A circuit breaker

2135662: 5-outlet; 2 RJ11; 4' cord

- Clamping volt.: 600V • Max. surge curr.: 10,000A
- Size: 12.5"L x 2.3"W x 1.3"H

Part No.	Mfr.	Product No.	Spike Current (Max.)	Wt. (lbs.)	1	10	25
2135611	Centerex	63010	4000A, 140 joules	0.9	\$7.95	\$6.95	\$5.95
20175	ValuePro	51W1-13206	4500A, 50 joules	1.5	10.95	10.49	9.95
216485	ValuePro	51W1-10206	4500A, 150 joules	0.9	12.95	11.49	9.95
2135662	Centerex	54133	10,000A, 990 joules	1.0	9.95	8.95	7.95

6-Outlet Surge Suppressor with Coax Protection

A wall mount 6-outlet surge suppressor with coax protection that defends your equipment from electrical surges on power lines and provides protection for coaxial inputs such as TVs, VCRs, and satellite receivers.

Surge protection specifications:

- Electrical rating: 125V/15A/1875W
- Max. spike current: 4500A
- Max. surge dissipation: 200 joules

- Clamping voltage: 400V

Coaxial line surge specifications:

- Max. energy dissipation: 46 joules
- Max. spike current: 1200A

Part No.	Mfr. Part No.	Description	1	10	25
2132200	ALG242	6-outlet surge suppressor	\$4.95	\$4.49	\$3.95



★ For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

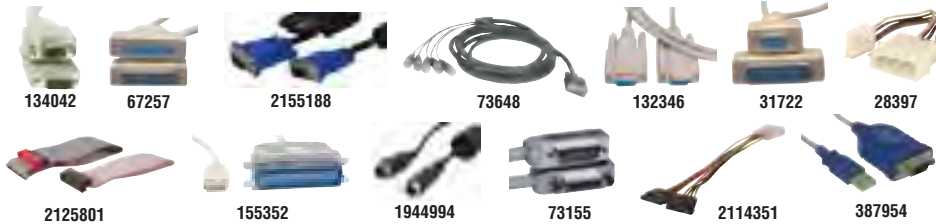
Computer Cables & Adapters

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN

JAMECO ValuePro

Computer Cables and Adapters



Extension Cables

• All lines connected straight through

Male to Female

				* Web Code: CCS		
Part No.	Description	Length (ft.)	Color	1	10	100
2075971	DB9†	6	Black	\$1.95	\$1.75	\$1.49
199639	DB9*	6	Black	5.95	5.35	4.79
25701	DB9*	6	Beige	5.95	5.35	4.79
148516	DB9*	10	Beige	6.95	6.25	5.49
181359	DB15	6	Gray	6.95	6.25	5.59
66165	HDDB15*	6	Beige	7.95	6.95	6.25
148532	HDDB15*	10	Beige	8.95	7.95	6.95
134042	HDDB15**	6	Beige	5.95	5.35	4.79
175291	DB25*	3	Black	3.95	3.49	2.95
67257	DB25*	6	Gray	7.49	6.49	5.49
39511	DB25*	10	Gray	7.95	6.95	5.95
177279	DB25*	15	Gray	8.95	7.95	6.95
101996	DB25*	25	Gray	11.95	10.75	9.65
181295	DB37	6	Gray	5.95	5.35	4.75

Male to Male

181666	DB9	10	Beige	\$6.95	\$6.25	\$5.49
181286	DB15	6	Gray	6.95	6.25	5.59
2155188	HDDB15*	6	Black	5.95	5.35	4.79
66174	HDDB15	6	Beige	6.49	5.95	5.49
148523	HDDB15*	10	Beige	6.95	6.49	5.95
174001	DB25*	3	Black	5.95	5.35	4.79
65788	DB25*	6	Gray	6.95	6.49	5.95

Female to Female

224267	DB25*	6	Gray	\$6.95	\$6.49	\$5.95
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Male to 5 BNC

• 1-R, 2-G, 3-B, 13-gray horiz., 14-B/W vert.

73648	HDDB15	6	—	\$5.95	\$5.49	\$4.95
118068	HDDB15	10	—	7.49	6.49	5.95

* with thumbscrews ** male with thumbscrews/female w/ nuts
† with thumbscrews, filters & green connectors

Serial Cables w/ Thumbscrews

132346	DB9 F to F	6	Beige	\$4.95	\$4.45	\$3.95
196366	DB9 F to F	10	Beige	6.95	6.25	5.49

AT F-M Adapter Serial Cables

109584	DB9 F to DB25 M	1	Beige	\$2.95	\$2.65	\$2.25
189333	DB9 F to DB25 M	3	Beige	3.25	2.95	2.49
31722	DB9 F to DB25 M	6	Beige	4.95	4.49	3.95
155522	DB9 F to DB25 M	10	Beige	5.95	5.35	4.79

Disk Drive Power Splitter and Adapters

• 4-pin Molex male • F = female

Part No.	Description	Length (ft.)	1	10	100
28354	2 F, 18 AWG (5.25")	0.5	\$2.95	\$2.49	\$1.95
277528	2 F, 20 AWG (5.25")	0.5	2.95	2.59	2.29
28397	4-pin F FDD, 22 AWG	0.3	2.95	2.49	2.25
72304	2 F, 4-pin FDD, 22 AWG	0.4	3.95	3.49	2.95

* KVM Monitor/Mouse/Keyboard/Switch Box Cable
— Enter Web Code HAE



* IEEE Firewire Cable — Enter Web Code FAE

Disk Drive Cables

Part No.	Description	Length (ft.)	1	10	100
32686	40-pin (IDE)	1.5	\$1.95	\$1.49	\$1.25
32715	50-pin (SCSI)	1.5	3.95	3.49	2.95
2125801	34-pin floppy and 39-pin HDD (Ultra ATA)	0.9 / 1.5 ..	1.95	1.75	1.49

Serial Null Modem Cables

• Gray • Pin-outs in ()

Part No.	Description	Length (ft.)	1	10	100
181404	DB9 F to F  (1 & 6-4; 2-3; 3-2; 4-6 & 1; 5-5; 7-8; 8-7)	6	.....\$5.55	\$4.95	\$4.49
180698	DB9 F to F  (1 & 6-4; 2-3; 3-2; 4-6 & 1; 5-5; 7-8; 8-7)	10	.....6.75	5.95	5.45
181438	DB25 M to DB9 F (2-2; 3-3; 5 & 6-4; 7-5; 8-7; 20-6 & 8)	6	.....4.95	4.49	3.95
180742	DB25 F to DB9 F (1-4 & 5; 2-2; 3-3; 4-6; 5-7; 6-20; 7-8; 8-8)	10	.....4.49	3.95	3.45
180582	DB25 M to DB9 F (2-2; 3-3; 4-5 & 6; 5-7; 6 & 8-20; 7-8)	10	.....5.95	5.35	4.75

6-Pin Mini DIN PS/2 & AT Cables

				* Web Code: HAE		
Part No.	Description	Length (ft.)	Color	1	10	100
174772	Male to male	6	Black	\$2.95	\$2.49	\$1.95
174908	Male to male	6	Beige	3.49	2.95	2.49
112628	Male to male	10	Beige	5.95	5.49	4.95
28549	Male to female	6	Beige	4.75	4.25	3.95
111053	Male to female	10	Beige	4.95	4.49	3.95



36-Pin Male Centronics Parallel Printer Cables

				* Web Code: NAV		
Part No.	Description	Length (ft.)	Color	1	10	100
2125131	USB-A to DB-25 F	6.5	Black	\$14.95	\$13.95	\$12.95
155352	USB-A (USB1.0)	6	Gray	4.95	4.49	3.95
28716	DB25 M to Cent.	6	Gray	3.95	3.49	2.95

DIN Male Printer & Keyboard Cables for Mac®

1944994	8-pin (with EMI)	3.3	Black	\$1.49	\$1.25	\$0.95
10604	8-pin	6	Gray	3.95	3.49	3.05
130025	8-pin	10	Gray	4.95	4.49	3.95

IEEE 488

73155	24-pin GPIB 	3.3	Gray	\$39.95	\$35.95	\$31.95
115782	24-pin GPIB 	6.6	Gray	41.95	36.95	32.95
115802	24-pin GPIB	13.1	Gray	42.95	37.95	33.95

SATA Disk Drive Power Adapters

• 4-pin Molex male

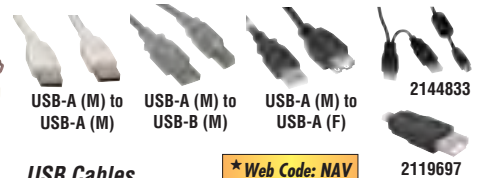
Part No.	Description	Length (ft.)	1	10	100
2125894	15-pin straight female	0.5 ..	\$1.49	\$1.25	\$0.95
2114351	Dual 15-pin straight female	0.5	3.49	2.95	2.49

SATA Data Cable

2114407	7-pin internal	1.6	\$1.95	\$1.75	\$1.49
2115645	7-pin external	3	4.49	3.95	3.75
2115653	7-pin external	6	4.95	4.49	4.25

Ribbon Cable Assemblies

12408	DB25 M to F (28 AWG) 	4	\$6.95	\$6.25	\$5.59
208582	DB9 M to F (28 AWG) 	6	4.95	4.49	3.95



USB Cables

				* Web Code: NAV		
Part No.	Description	Length (ft.)	Color	1	10	100
326474	A M to M (2.0)	3	Beige	\$1.95	\$1.75	\$1.49
2150985	A M to M (2.0)	6	Blue	1.49	1.35	1.19
229682	A M to M (2.0)	6	Beige	2.95	2.59	1.95
222033	A M to M (2.0)	6	Black	2.95	2.59	1.95
222050	A M to M (2.0)	15	Black	3.25	2.95	2.65
326482	A M to F (2.0)	3	Beige	1.95	1.75	1.59
229771	A M to F (2.0)	6	Beige	3.25	2.95	2.25
222068	A M to F (2.0)	6	Black	3.25	2.95	2.25
229623	A M to F (2.0)	6	Clear	2.95	2.59	2.29
222076	A M to F (2.0)	10	Black	3.49	2.95	2.49
222084	A M to F (2.0)	15	Black	3.49	2.95	2.49
229711	A M to B M (2.0)	3	Beige	1.95	1.75	1.59
222608	A M to B M (2.0)	3	Black	1.95	1.75	1.59
229730	A M to B M (2.0)	6	Beige	2.95	2.49	1.95
222010	A M to B M (2.0)	6	Black	2.95	2.49	1.95
229594	A M to B M (2.0)	6	Clear	2.95	2.49	1.95
229738	A M to B M (2.0)	10	Beige	3.25	2.95	2.25
222018	A M to B M (2.0)	10	Black	3.25	2.95	2.25
229762	A M to B M (2.0)	15	Beige	3.49	2.95	2.49
222026	A M to B M (2.0)	15	Black	3.49	2.95	2.49
2144841	A M to 5-pin mini	2	Black	2.49	2.25	1.95
673694	A M to 5-pin mini	6	Black	2.95	2.59	2.19
2144833	A M* to 5-pin mini	2	Black	2.95	2.59	2.29
2135064	A M to micro-B	3	Black	2.95	2.59	2.29

* Dual A = USB-A; B = USB-B; M = male; F = female

USB-A to 5-Pin Mini USB Adapters

				* Web Code: NAV		
Part No.	Description	Length (ft.)	Color	1	10	100
2119769	USB-A M to mini F	1.4	Black	\$2.95	\$2.59	\$2.29
2119777	USB-A F to mini F	1.4	Black	2.95	2.59	2.29
2119697	USB-A F to mini M	2.0	Black	2.95	2.59	2.29

USB-A Gender Adapter

316806	Female to female	1.5	Black	\$2.95	\$2.65	\$2.39
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USB-A to DB9 Male Serial Cable/Adapters

387954	w/ jackscrews	2	Gray	\$16.95	\$15.95	\$13.95
2115346	w/ thumbscrews	6	Gray	18.95	16.95	14.55

USB 2.0 Active Repeater Cables

The repeater cable regenerates the USB signal for maximum reliability and performance over extended distances at maximum transfer rates of 480Mbps.

• Buffers and regenerates upstream and downstream signals

2075840: Repeater cable length: 5m (16.4 ft.)

• Cascade up to 5 to extend distance to 25m (81 ft.) between USB device and computer

2134416: Repeater cable length: 12m (39 ft.)

• Cascade up to 3 to extend distance to 36m (118 ft.) between USB device and computer

• 3rd repeater cable can support self-powered USB devices whose power consumption is below 950mW (200mA)

Requirements: Desktop or laptop with available USB port, Windows® 98SE/ME/2000/XP or Mac OS X

Part No.	Cross Ref. No.	Length	1	5
2075840	AR2500	5 meters	\$14.95	\$13.49
2134416	AR2510	12 meters	18.95	17.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

JAMECO ValuePro High Speed USB Extender Cable

An active device where the USB signals going in and out of the extension cable are buffered to assure signal quality and adherence to electrical and timing specs.



- Full compliance with USB spec Ver. 2.0/1.1
- Supports 480Mbit/s high speed 12Mbit/s full speed, and 1.5Mbit/s low speed serial data communication
- One upstream port and one downstream port
- Windows® 98 & higher or Mac® OS compatible
- Supports plug & play and hot-swap functions
- USB-A male to USB-A female
- Bus power mode • Length: 5m (16 ft.)

Part No.	Cross Ref. No.	1	5
1919174	10U2-24116	\$18.95	\$16.95

Data Sync & Power Charge Cable

Universal USB micro-B to USB-A

data sync and power charge cable. Synchronize your smartphone to the computer while simultaneously charging it!

- Compatible with most smartphones with a USB micro-B connector • Length: 3 feet



Part No.	Description	1	10
2135064	USB-A to USB micro-B	\$2.95	\$2.59

JAMECO ValuePro PS/2 – USB Adapter

This adapter allows you to use your PS/2 compatible mouse and keyboard as USB compatible devices.

- USB - A male to two PS/2 female connectors
- Color coded PS/2 connectors for keyboard & mouse



*Web Code: CBB

Part No.	Length	Housing	1	10	100
645351	13"	USB adapter	\$9.95	\$8.95	\$7.95

Apple USB Chargers, Cable and Earphones



New ultra-compact design, these power adapters offer fast, efficient charging at home, the office, or on the go. Compatible with all iPhones and iPods, except iPhone® 5.

- Input: 100-240VAC @ 50/60Hz
- Output voltage: 5VDC @ 1A
- Charger size: 1.0"L x 1.0"W x 1.1"D

2151056: Data cable (3'L), USB-A to 30-pin dock

2151048: USB charger, 5V @ 1A, white

2151030: USB charger and data cable kit

2154935: Earphones with remote & mic

Part No.	Mfr. Part No.	1	5
2151056	MA591GB	\$9.95	\$8.95
2151048	A1265	9.95	8.95
2151030	A1265-KIT	17.95	15.95
2154935	MB770GB	14.95	13.49

*USB Cords & Adapters — Enter Web Code: NAV

JAMECO ValuePro USB 2.0 4-Port Hub

Add multiple high-performance USB 2.0 peripheral devices to your PC. Fully compliant with USB specifications. Fully backwards compatible with USB 1.1 devices.

- Overcurrent detection & protection
- Compatible with USB specification Rev. 2.0 (data rate 1.5/12/480Mbps)
- 1 upstream & 4 downstream ports
- Connects up to 127 USB devices • Plug-and-play
- Supports Windows® 98SE/ME/2000/Server 2003/ XP/Vista; MAC® OS 8.6 or higher
- Bus-power & self-power mode used
- Automatic connection & speed detection



Part No.	Cross Ref. No.	1	5
1944687	HU2044	\$12.95	\$11.49

MW 4GB Mini USB Flash Drive

A 4GB USB flash drive in the shape of a Mean Well power supply! Perfect for storing, transporting and sharing your presentations, documents, photos, music and more.

- Compatible with Windows® 2000, XP, Vista and 7; Linux; Mac® OS



Part No.	Description	1	10
2162521	4GB USB flash drive	\$5.95	\$4.95

USB 2.0 4-Port Hub with Clock and Mood Light

Enjoy high speed connectivity through each of the 4 USB ports.

- 4-port USB 2.0 (supports USB1.1)
- Color changing mood light (purple, blue, green, red)
- 12 hr clock display • Size: 3.5"W x 3.5"D x 2.0"H
- Built-in USB cable (approx. 3 ft.)



Part No.	Description	1	5
2120399	4-port USB hub	\$7.95	\$6.95

JAMECO ValuePro USB 2.0 to SATA/IDE Combo Adapter

- SATA 1.0a & USB 2.0 compliant
- 40 & 44-pin IDE plus one SATA connector
- Operate one IDE & one SATA HDD simultaneously
- External power supply provided

Requires: IBM compatible Pentium® 233 MHz, USB, Windows® 98SE/ME/XP, Mac® OS 8.6 or later

Part No.	Cross Ref. No.	1	5
2075815	AS1200	\$49.95	\$44.95

Redpark TTL Serial Cable for iOS

Connect your iOS device to external sensors and microcontrollers!

- Enables development of iOS apps for private use in homes, schools, and offices

Requires: Downloadable Redpark SDK, sample code, and iOS 5.0.1 or later



Part No.	Mfr. Part No.	Price
2169176	C2-TTL	\$59.95

*USB Hubs — Enter Web Code NEM

ATEN RS-232 to RS-485/422 Bidirectional Converters

- Cable length: 4000' max.
- Data rate: 100 kbps
- Controlled by RTS signal
- 4-wire full duplex or 2-wire half duplex
- DCE and DTE selectable
- Point-to-point and multidrop operations
- RS-485: terminal block and RJ11 connections
- RS-232: DB25 female connector • Input: 110VAC
- Power consumption: 9W (1.35W max.)
- Size: 2.2"L x 3.2"W x 0.8"D
- Weight: 0.9 lbs. • One-year warranty



Part No.	Mfr. Part No.	1	5
117701	IC-485S	\$49.95	\$44.95
197931	IC-485SN	59.95	53.95

*Bidirectional Converters — Enter Web Code KEM

2.4GHz Wireless Audio/Video Transmitter & Receiver

- 4-ch transmitter selectable/ 4-ch receiver viewable
- Video input/output: 1Vp-p composite @ 75Ω
- Audio input/output: 2Vp-p typical, 2.7Vp-p max. @ 600Ω
- RF impedance: 50Ω
- Size: 4.3"W x 3.4"D x 1.2"H



Includes: 12V wall adapter, antenna & mounting hardware

2115784: Transmitter

- Current consumption: 350mA typical; 650mA at start-up
- Output power: 1 watt
- Alarm input: TTL/CMOS (level detection)

2115709: Receiver

- Sensitivity: -82dBm typical
- Current consumption: 250mA typical



179864: 3dB gain

Part No.	Description	1	5
2115784	2.4GHz wireless trans.	\$139.95	\$129.95
2115709	2.4GHz wireless receiver	89.95	79.95
179864	2.4GHz SMA RF antenna*	8.95	7.95

*Jameco ValuePro

3.5" LCD Color Test Monitor

The unit comes with a strapped case so you may wear it leaving your hands free to work. It also features a built-in 2200mA Li-poly battery, coaxial cable quality test and Cat 5 cable quality test functions.



- Resolution: 320 x 240 RGB pixels
- Zoom test: In/Out (compatible with COP zoom cameras)
- DC 12V output for camera
- Video & Audio input • Built-in 0.5W speaker
- Coax test: fine, open, short mode detect
- Cat 5 test: OK, open, short, reverse, error
- Dimensions: 125mm L x 115mm W x 38mm D

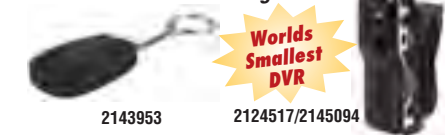
Part No.	Mfr. Part No.	1	5
2158768	15-AU35M	\$219.95	\$199.95

*Video Accessories — Enter Web Code YBE

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

Mini DVR Cameras

Sound Activated Recording



- Take JPEG snapshots or AVI video
- Store files to micro SD card
- USB connection for retrieving files & charging
- 90 minutes of available space for recorded video and audio files • Built-in lithium battery
- 30 FPS for 720 x 480 resolution • FOV: 62°
- Color CMOS camera, 1.0 lux • Compatible with Windows® ME, 2000, 2003, XP, Vista, Mac OS 10.4

2124517/2145094:

- Battery life 115 mins. • Sound activated recording
- Includes:** µSD card, USB cable & mounting accessories
- 2143953:** Micro SD card not included
- Battery life 60 mins. • Covert keychain camera

Part No.	Mfr. Part No.	1	5
2143953	CAMCOLVC8N	\$44.95	\$42.95
2124517	EC-MINIDVR (4GB)	69.95	65.95
2145094	P2009HD2-BP (16GB)	79.95	74.95

TTL Serial JPEG Camera with NTSC Video

This camera module outputs NTSC video and can take snapshots of that video and transmit them over the TTL serial link. Take up to 640 x 48 pictures and pre-compress them for quick and easy storage.

- Manually adjustable focus • 30MP CMOS
- Progressive scan mode • Motion detection

Part No.	Mfr. Part No.	Size	1	5
2144340	P7030	1.25" x 1.25"	\$49.95	\$46.95

*Cameras — Enter Web Code MBB

Mini Wireless Color Camera With Built-In Microphone

- Receiving frequency: 2.4GHz
 - Video output: 1Vp-p, 75Ω
 - Audio output: 200mVp-p, 10kΩ
 - Power consumption: <2W
 - Tuning knob on receiver for fine tuning picture
- Includes:** 8VDC @ 500mA adapter, receiver with antenna, mounted color camera, 9V battery clip with 1.3mm x 3.5mm female plug

Part No.	Description	1	5
2144999	Mini wireless, 2.4GHz	\$59.95	\$54.95

CCD Color Camera with 8mm Lens

- 1/3" SONY Super HAD CCD
- Horizontal res: 420 lines
- Min. illumination: 0.05 lux
- Electronic shutter: 1/50 ~ 1/100,000 sec. • S/N ratio: 50dB
- 537(H) x 597(V) PAL
- Video output: 1Vp-p, 75Ω • Audio output: 2Vp-p max.
- Auto-tracing white balance • Vertical freq.: 60Hz
- Backlight, auto-gain switch selectable

Requires: 12VDC/24VAC terminal @ 130mA

Part No.	Cross Ref. No.	1	5
2155583	15-CC25DNV-1+15-L080V	\$129.95	\$119.95

Webcams with Built-In Microphone

- USB interface with 4ft cable
- Adjustable mounting
- 8 Megapixel • 30 fps
- Compatible w/ QQ, Skype, MSN, etc.
- Video capture software included

Part No.	Cross Ref. No.	Case Color	1	5
2138062	X193UA-RD	Red	\$19.95	\$17.95
2167269	X193UA-GN	Green	19.95	17.95

Pan & Tilt Assembly

- For horizontal surface mount
- Aluminum multifunction bracket
- 2157870:** • Mini pan & tilt kit
- 15kg/cm @ 4.8V • Rotation: 0-180°
- 2144518:** • 5.5kg/cm @ 6.0V
- Ball bearing servos
- 100-800mA • Rotation: 0-180°
- 2144526:** • 15kg/cm @ 7.2V
- 180-220mA • Metal gear servos
- Rotation: 150° horizontal/150° vertical

Part No.	Mfr.	Mfr. Part No.	1	10
2157870	Dagu	RS002B	\$14.95	\$13.95
2144518	DFRobot	FIT0045	35.95	33.95
2144526	DFRobot	FIT0046	44.95	41.95

Camera Detector

- Discreet sweeps of the home, office, or hotel room can be done quickly and efficiently.
- Detects frequencies from 50MHz to 3GHz
- Auto sensitivity tuner • Audible LED alarm
- Size: 3.25"L x 1.25"W x 0.75"T
- 2 CR2032 batteries (included)

Part No.	Mfr. Part No.	1	10
2096157	P7030	\$27.95	\$24.95

Waterproof Tube-Style IR Color Camera

- Auto white balance and gain control
- 1/4" CCD image sensor
- 0 lux w/ 20 IR LEDs • NTSC
- 512(H) x 492(V) • S/N ratio: >48dB
- 4.3mm lens with F1.8
- 420 horizontal line resolution
- Video output: 1Vp-p, 75 • Size: 2.1"Dia. x 3.8"L

Requires: 12VDC @ 160mA power supply (recommend P/N 162996, pg 95)

Includes: Mounting hardware

Part No.	Cross Ref. No.	1	5
319901	15-CM25WM	\$119.95	\$109.95

Handbooks, Project Guides & Reference Books

Forrest M. Mims III Engineer's Guides

One of the most widely read electronics authors in the world. Forrest M. Mims III has written over 60 books and has been honored twice for excellence by the Computer Press Association. "Getting Started in Electronics" has sold more copies than any other book on the subject. It is a complete electronics course in just 128 pages! Mims teaches the basics and takes you on a tour of analog and digital components. He explains how they work and shows how they can be combined for various applications.

Part No.	Description	* Web Code: FMB	Pages	Price
2112743	Forrest M. Mims III Engineer's Guide to Electronics Volume I: Timer, OP Amp, Optoelectronic Circuits & Projects		124	\$13.95
2112751	Forrest M. Mims III Engineer's Guide to Electronics Volume II: Science & Communication Circuits & Projects		140	13.95
2112760	Forrest M. Mims III Engineer's Guide to Electronics Volume III: Electronic Sensor Circuit & Projects		144	13.95
2112778	Forrest M. Mims III Engineer's Guide to Electronics Volume IV: Electronic Formulas, Symbols & Circuits		192	13.95
2112786	Forrest M. Mims III Getting Started in Electronics, A Complete Electronics Course		128	19.95

Handbooks, Project & Reference Books

Whether you're an engineer or hobbyist, Jameco has the book for you. Jameco offers a broad selection of reference books, project books and pocket handbooks to guide you through all of your projects A through Z! Don't see what you need below? Be sure to check out our website for our complete selection of reading material.

Part No.	Description	* Web Code: BKS	Pages	Price
2158856	Pocket Reference, 4th Edition. Many subjects, tables, maps, formulas, constants & conversions		864	\$12.95
2123258	Pocket PC Reference Book, 14th Edition. This book covers troubleshooting error codes, Windows® Vista & 7, new processors and drive support		1088	12.49
2146337	Getting Started with Arduino: Provides a thorough introduction to the popular open source electronic prototyping platform (2nd edition)		180	14.95
141330	Muscle Wire Project Book, 3rd Edition (for more muscle wire & kits, see page 164)		128	19.95
88225	Texas Instruments TTL Databook. Databook that covers Texas Instruments TTL logic, Schottky TT circuits, CMOS logic and VSLI		2140	19.95
2112794	Basic Electronics: Explains electronic devices and circuits, how they work and how they are used		224	19.95
357659	Mondotronic, Muscle Wire Project Book Sample kit includes 20 cm of 075LT and 40 cm of 100LT & 150LT muscle wire		128	32.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



Power Function

2125721



Tyrannosaurus

242923



Construction Robot

358272



RC Bulldozer

358230



Mini Robot

2150619



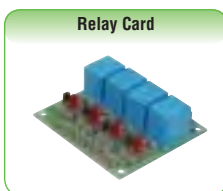
Running Micro Bug

200328



Crawling Micro Bug

200336



Relay Card

239476



Relay Switch

2130600



Line Tracking Mouse

386708



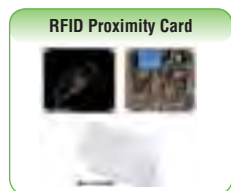
Snail Robot

358352



Titan Tank

2128374



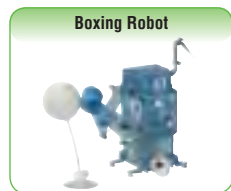
RFID Proximity Card

2123936



Terrain Tracked Robot

2128331



Boxing Robot

401533



Mr. General

2150580

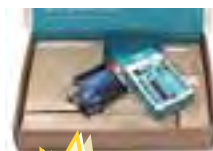


The Arduino Starter Kit

Learn the basics of Arduino with hands-on training. Through several inspired projects in the Arduino Projects book, you'll start with the basics of electronics and move on to more complex projects, soon controlling everyday objects around you. Some projects included are the Spaceship Interface, Love-O-Meter, and Light Theremin. Includes Arduino Uno R3, Project Book, USB cable, breadboard, 9V battery snap, jumper wire kit, potentiometers, pushbuttons, LEDs, resistors, various sensors and motors.

Part No.	Mfr. Part No.	Description	Price
2171188	K000007	40 different components with book of 15 projects	\$99.95

NEW
MARKED IN PINK



Only \$99.95



LEGO Mindstorms NXT 2.0

Create the smartest, strongest and most advanced LEGO robots with the LEGO Mindstorms NXT 2.0. 619 pieces, 16 building and programming challenges for 4 new fun and action-packed robot models.

- 3 interactive servo motors with built-in rotation sensors
- 1 ultrasonic sensor
- NXT 32-bit microcontroller with 256k memory
- Support for Bluetooth, USB 2.0
- Color sensor with triple functionality: color sensor/light sensor/color lamp • 2 touch sensors



Part No.	Mfr. Part No.	No. of Pieces	Price
2082644	8547	619	\$279.95

LEGO Mindstorms EV3 Coming This Fall

Robotic Arm Edge & USB Interface

Create and take command of the Robotic Arm Edge, the new, incredibly flexible robotic arm you can build yourself. Find gadgets all around the base with its new searchlight and the enormous reach of the arm!

- Five switch wired controller
- Base rotation of 270°
- Lifts 100 grams (3.5 ozs.)
- No soldering required
- Horizontal reach of 12.6"
- Extensive elbow range of 300°
- Difficulty level: Intermediate
- 187-piece kit



2095023

Requires: 4 D batteries (not included, recommend P/N 215845, pg 118)



Part No.	Mfr. P/N	Description	1	5
2095023	OWI-535	Robotic arm edge kit ..	\$49.95	\$46.95
2111960	535-USB	USB arm controller ..	36.95	33.95



Electronic Kits

LEGO Power Functions Motor Set

*** Web Code: LEG**

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Price
2125721	8293	LEGO Power Functions kit, add a motor to your LEGO builds. Also includes battery box and light cable	10	BEG	9.5 x 5.7 x 2.4	\$29.95

Robotic and Computer Control Kits

*** Web Code: ERK**

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
242923	21-601	Mechanical Wooden Tyrannosaurus kit	116	BEG	1.5 x 3.0 x 6.5	0.9	\$14.95	\$13.49
358230	70104	Remote Control Bulldozer kit	130	BEG	7.0 x 5.5 x 3.5	1.1	32.95	29.95
358272	70162	Design a robot w/ this RC Robot Construction set! Lift, scoop and drop all kinds of stuff.	144	BEG	6.5 x 3.5 x 3.0	1.0	49.95	44.95
2150619	RS014-USB	2-in-1 Mini Robots include IR compound eye, 4 mini servos and universal remote. Tools included	22	BEG	3.0 x 3.0 x 5.0	1.0	59.95	54.95
200328	MK127	Light-Following Running Micro Bug kit	26	INT	4.0 x 2.4	0.2	9.95	9.49
200336	MK129	Light-Seeking Crawling Micro Bug kit	29	INT	4.0 x 2.4	0.2	13.95	12.49
239476	K2633	Relay Card kit (req. pwr supply P/N 133891 pg 96)	29	INT	3.0 x 2.7	0.4	15.95	14.95
386708	21-880	Line Tracking Robot Mouse (solder required)	130	INT	3 x 3 x 3	0.9	22.95	20.95
2130600	K8015	Multi-function Relay Switch with 14 different functions and pushbutton control	37	INT	3.4 x 1.5 x 1.0	0.5	23.95	21.95
358352	75020	Line Tracing Snail Robot kit	40	INT	6.9"H	2.0	39.95	35.95
401533	71110	Boxing Robot kit (single), 2-channel	84	INT	4.5 x 3.6 x 5.6	0.4	34.95	31.95
2123936	MK-179	RFID Proximity Card Reader kit, include 2 tags EM4100 compatible (more tags on pg 160)	52	INT	2.6 x 2.4 x 0.8	0.5	32.95	29.95
2128374	21-531N	Titan Tank kit, IR remote control, 4-ch selection for battle, 4xAAA & 4xAAA batteries required	121	INT	6.5 x 6.5 x 3.6	1.5	34.95	32.95
2128331	OWI-536	3-In-1 All Terrain Tracked Robot; transform to a forklift, rover or gripper; wired remote control	120+	INT	—	2.2	45.95	42.95
401541	71113	Box w/ your friends w/ this kit of Remote Controlled Boxing Robots. They're fun for everyone	170	INT	3.4 x 3.6 x 5.7	0.8	59.95	53.95
2150580	RS002	Mr. General mobile robot platform features compound IR eye, 2 servos for pan/tilt and 2 cont. rotation servos. MCU & batteries not included	206	INT	7.5 x 4.8 x 4.0	1.5	59.95	54.95

Continued on next page

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

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Order by Phone at 1-800-831-4242 or Online at www.Jameco.com



Electronic Kits (Continued)



Robotic and Computer Control Kits (Continued)

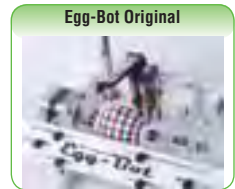
★ Web Code: ERK

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
2136403	975	3pi Robot with 2 gear motors, 5 reflectance sensors, LCD, buzzer, connected to an ATmega328 microcontroller	1	INT	3.7" Dia.	0.18	\$99.95	\$94.95
2157108	240	Egg-Bot Original is an open-source robotic arm that can draw on spherical shapes like eggs, ping-pong and golf balls, christmas ornaments up to 4.25" diameter. No soldering/programming required. PC/Mac required to create designs	100	INT	11 x 7.5 x 6	2.8	194.95	174.95
2157124	J-Bot v2	Build your own customizable mobile robot with ultrasonic sensor. 4WD chassis, breadboard, and Romeo microcontroller w/ built-in motor control	17	INT	9.5 x 7 x 8	3.8	144.95	139.95
386610	21-886	Terrain Escape Robot kit with infrared emitting diode and receiver module (4 x AAA required)	86	EXP	5 x 5 x 5	0.9	22.95	19.95
2123952	K8090	8-ch. USB relay card, up to 16A/relay, can use with iPhone application. Assembly required	124	EXP	6.3 x 4.2 x 1.2	1.0	69.95	64.95
2150627	RS016	Playful Puppy Quadruped Robot w/ 10 servo motors. Arduino compatible. (7.4V @ 2.2Ah LiPo recommended P/N 2167787, see web)	85+	EXP	7 x 4.5 x 5	1.3	154.95	144.95
2150635	RS008	Mr. Tidy Mobile Robot with Gripper arm. Side & rear IR/color sensors. 6xAA NiMH not included	5+	EXP	8 x 6 x 10	2.8	199.95	184.95



3pi Robot

2136403



Egg-Bot Original

2157108



J-Bot v2.0

2157124



Terrain Escape Robot

386610



USB Relay Card

2123952



Cricke

2136956

Audio Transmitters, Amplifier, Sound Generator and Detection Kits

★ Web Code: AAK

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
2136956	MK104	Electronic cricket kit, activated by darkness; effect, tone and light sensitivity adjustable	25	BEG	2.2 x 1.6 x 1.0	0.11	\$7.49	\$6.95
2131012	MK120	Infrared light barrier kit with 85dB audible alarm and visible LED alert	46	BEG	2.2 x 1.6/3.9 x 2.0	0.18	8.95	7.95
2130731	MK171	Voice changer kit, add effects to your voice with robotic, vibrato, high-low effects and more	36	BEG	3.0 x 1.8	0.11	12.95	11.95
2123944	MK-182	Digital Echo Chamber kit, echo effect, line-in & out, output 8Ω, 500mW (9V required)	63	BEG	3.35 x 2.76 x 0.78	0.5	23.95	21.95
285624	RS-TGI	Build your own telegraph. Send an SOS!	9	BEG	3.0 x 3.0 x 3.3	1.3	49.95	47.49
2135751	AP-MP3	MP3 playback module. MP3/PCM/WAV supports up to 32GB micro SD	1	BEG	2.5 x 2.0	0.2	99.95	94.95
147571	MK103	Voice Activated kit, requires 8-15VDC Power Supply or 9V battery, sound activates 4 flashing LEDs	33	INT	2.5 x 1.6 x 1.4	0.1	6.95	6.25
662670	EBST-11	Audio Stereo Amplifier Kit, 1 watt (9V required)	32	INT	2.8 x 2.3	0.2	9.95	8.95
117612	K1803	Univ. Mono Pre-Amp kit (req. 10-30VDC pwr supply)	17	INT	1.2 x 1.8	0.3	10.95	9.95
151204	AA-1	Super Snooper Big Ear Audio Amplifier kit (9V req.)	17	INT	1.8 x 1.0 x 0.6	0.1	10.95	9.95
127255	K4001	7-Watt Amplifier kit, requires 15VDC @ 500mA power supply, music output power: 7 watts, 4Ω	22	INT	2.2 x 1.4	0.3	15.95	14.95
211772	MK118	FM Radio kit, 88-108MHz (12VDC, 2.1mm req.)	65	INT	4.8 x 3.3	0.3	24.95	23.49
151239	FMST-100	FM Stereo Transmitter Mini kit, 9V battery	37	INT	2.7 x 2.0	0.2	29.95	26.95
129138	K4003	30W Stereo Pwr Amp. (req. 1x 24VCT @ 2A pwr supplies)	38	INT	2.8 x 2.0	0.7	29.95	26.95
127562	K4401	Sound Generator kit with 10 unique sounds	61	INT	2.8 x 2.8	0.4	29.95	27.95
2120815	K8098	Audio Analyzer, display EMS/peak power, mean/peak dB, audio spectrum	73	EXP	5 x 2.5 LCD	0.6	69.95	64.95
2120823	K8095	MP3 Player Kit, create your own jukebox, sound effects, mp3 and more! SD card operation, Hi-quality VLSI decoder, vol. control, up to 32GB, up to 1024 folders with 16,348 songs each	100	EXP	5.11 x 3.9	0.7	78.95	74.95



IR Light Barrier

2131012



Telegraph

285624



MP3 Playback Module

2135751



FM Radio

211772



Stereo Power Amplifier

129138



Sound Generator

127562



MP3 Player

2120823



Electronics Discovery

2119662

Test and Measurement Kits

★ Web Code: TMK

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
662725	EBLOG-300A	Logic Probe kit, 3V-16VDC, detect high, low, pulse signal	14	BEG	4.0"L x 0.75"H	0.1	\$10.95	\$9.95
2119662	SL004	Electronics Discovery kit, 16+ projects work with LEDs, switches, buttons, sensors	130	BEG	10 x 6.7 x 3	1.0	49.95	44.95
2109173	28014	USB oscilloscope, 2-ch digital, 3 probes, 20V max. 200kHz	1	BEG	5 x 2.25 x 5.0	0.5	139.95	134.95
129091	K7102	Metal Detector kit, sensitive within 8cm (req. 9V battery)	22	INT	2.1 x 2.1	0.4	16.95	15.95
20685	JE2206	Function Generator kit, 1-100kHz in 4 ranges	21	INT	4.1 x 1.5	0.1	27.95	24.95



USB Oscilloscope

2109173



Metal Detector

129091



Electronic Kits (Continued)



Power Supply and Motor Kits

★ Web Code: PSM

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
2115750	34020	Breadboard Vreg kit, 6-18Vin, 5V @ .5A out, 2.1mm jack	12	BEG	2.2 x 0.6	0.1	\$7.95	\$7.49
181833	VM-1	DC Voltage Monitor kit with 7 LED display	46	BEG	2.7 x 1.3	0.2	9.95	8.95
2119751	C-8051	Adjustable Gear Motor kit, 4k-14k RPM	22	BEG	4.3 x 4.9	0.2	11.95	11.49
117621	K1823	1.5A @ 1.5-35VDC Power Supply kit	12	INT	2.1 x 2.1	0.3	13.95	11.95
2137166	K8042	Symmetric 1A Power Supply kit. Output of 1.2-18VDC depends on AC transformer (not incl.) see web	46	INT	3.1 x 2 x 0.9	0.5	18.95	17.95
20626	JE215	Dual Adjust Regulated Power Supply kit	48	INT	5.1 x 3.5 x 2.0	2.1	26.95	24.95
127829	GMC-1102	Motor Speed Control kit, powers up to 5A @ 100VDC	35	INT	3.6 x 2.3 x 1.2	0.3	36.95	34.95
358248	70097	Twin Motor Gearbox kit	61	EXP	3.0 x 4.0	0.3	11.95	10.95
120539	K8004	DC Pulse Width kit, proportional DC to PWM	40	EXP	3.3 x 1.9 x 1.8	0.5	23.95	21.95

Distance and Light Kits

★ Web Code: DLK

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
2131207	MK135	Electronic Decision Maker kit, rapidly flashes lights untill it slowly stops at one	19	BEG	2.2 x 1.2 x 1.4	0.1	\$6.95	\$6.25
2136964	MK131	4-way Traffic Light kit. 12 LEDs with realistic operating and adjustable delay	63	BEG	2.0 X 1.4 X 4.5	0.2	7.95	6.95
147635	MK100	Flashing Christmas Tree kit, 16 LEDs (req. 9V batt.)	30	BEG	4.0 x 2.4 x 1.0	0.1	7.95	7.49
2136999	MK112	Electronic Brain Game kit just like Simon Says. Features visible and audible modes. 4 skill levels. 3xAAA not included.	28	BEG	2.0 x 2.6	0.2	9.95	8.95
2130933	MK147	Dual white LED stroboscope creates a powerful flash effect. Speed adjustable 1-60 flashes/sec. 9V battery not included.	21	BEG	2.2 x 1.3 x 1.6	0.1	9.95	8.95
2130802	MK150	Shaking Dice kit, just give it a shake and the LEDs will automatically light a value	23	BEG	3.0 x 1.8	0.2	13.95	12.49
157964	LED1007	Infrared Illuminator kit, 13.2VDC, 8' dia. @ 24'	41	BEG	2" Dia.	0.1	13.95	12.95
2136534	091	Larson Scanner kit, create the scanning LED effect from Battlestar Galactica or Night Rider	22	BEG	5.0 x 1.5 x 1.0	0.1	14.95	12.49
2136542	080	Deluxe Menorah kit, (9) 10mm yellow LEDs, press button to light another candle, soldering required	28	BEG	5.0 x 1.5 x 4.25	0.1	15.95	13.25
2128286	MK172	60 LED sound star, "VU-meter" flash to audio	113	BEG	4.2 x 4.4 x 1.4	0.1	19.95	18.95
2137191	MK119	Game of Roulette. 37 LEDs, a spinning sound and "winner" tune for each color. Pushbutton operation	66	BEG	3.6 X 1.3	0.2	19.95	18.95
211764	MK116	Santa Sleigh and Reindeer kit (req. 9V battery)	201	BEG	5.7 x 3.2	0.1	24.95	22.49
2128278	MK170	60 LED star, 24 flashing patterns, soldering req.	94	BEG	4.1 x 4.3 x 1.4	0.1	27.95	26.95
285595	RS-LBI	Build your own light bulb, Edison style	11	BEG	6.0 x 3.0 x 7.5	1.2	54.95	52.95
147580	MK102	Flashing LED kit, 2 red 5mm LEDs, requires 9V battery	23	INT	1.3 x 1.4 x 0.6	0.1	4.95	4.49
147555	MK101	Flashing LED Sweetheart kit, flashes 25 T1 (3mm) red LEDs, requires 9V battery	46	INT	1.3 x 2.3 x 1.3	0.1	9.95	8.95
211781	MK130	3D Flashing Christmas Tree kit, 16 LEDs	36	INT	3.1 x 3.5 x 4.0	0.1	9.95	8.95
236081	MK145	Halloween Pumpkin kit, 25-LED brightly-colored	71	INT	4.0 x 3.2 x 1.3	0.2	13.95	12.95
200310	MK124	Scrolling Message kit, 16 characters	76	INT	3.5 x 2.6 x 1.8	0.2	19.95	17.95
177092	IR-10	Infrared Transmitter & Receiver kit (req. 9V battery)	26	INT	1.0 x 0.8	0.1	22.95	19.95
147643	K4304	10-LED Mono VU Meter kit	36	INT	2.7 x 1.4	0.3	23.95	21.95
236072	MK117	Deluxe Christmas Tree kit, 134 LEDs	208	INT	3.2 x 5.6	0.2	26.95	24.95
129120	K3502	Parking Radar kit, adjustable 2"-59"	55	INT	4.9 x 1.9	0.5	42.95	39.95
2136551	800820	Meggy Jr. RGB, develop a handheld pixel-scale video game, 8x8 RGB matrix, includes one pre-programmed game, reprogrammable	80	INT	6.0 x 1.5 x 3.5	0.9	74.95	69.95

Symmetric Power Supply Kit



2137166

Dual Adjust Power Supply



20626

Game of Roulette



2137191

Scrolling Message



200310

Mono VU Meter



147643

Parking Radar



129120

Breadboard Voltage Regulator



2115750

Twin Motor Gearbox



358248

Electronic Decision Maker



2131207

Shaking Dice



2130802

4-Way Traffic Light



2136964

Larson Scanner



2136534

Meggy Jr. RGB



2136551

Frightened Grasshopper



2112006

LED Sweetheart



147555

Infrared Illuminator



157964

Salt Water Car



2128340

Build a Light Bulb



285595

Brain Game



2136999

Infrared Tx/Rx



177092

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Electronic Kits (Continued)



Alternative Energy – No Batteries Required

* Web Code: NRG

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
2150424	DG-S001	Solar Man Walking Robot	18	BEG	1.8 x 2.2 x 3.5	0.2	\$9.95	\$8.95
2112006	MSK670	Frightened Grasshopper kit, solar powered	7	BEG	1.75 x 1.0 x 0.6	0.1	10.95	9.95
2128340	OWI-750	Salt Water Fuel Cell Car, magnesium metal sheet (3 incl.), provides 5-7 hrs continuous play	20	BEG	3.0 x 1.6 x 0.7	0.5	12.95	11.95
2097521	MSK610	6-in-1 Educational Solar kit, create a solar car, airboat, windmill & more, no tools required	33	BEG	4.75 x 2.4 x 3.4	0.5	17.95	16.95
2112090	MSK679	The Solar System Solar kit, build, paint and watch the solar system come to life using solar energy	70	BEG	4.4 x 3.7 x 3.2	0.5	19.95	17.95
2111986	MSK614	T3 Transforming Solar Robot, create a solar tank, scorpion or robot	71	BEG	9.8"Dia. x 3.6"H	0.5	18.95	17.95
2144382	EDU02	Solar Energy Experiment kit, 10 projects	13+	BEG	3.15 x 2.36	0.5	27.95	24.95
2136577	PWW2P	Savonius Wind Turbine V2+. Build a fully functional mini wind turbine	42	BEG	6 x 6 x 8	1.8	69.95	64.95



2097521



2144382



2136577

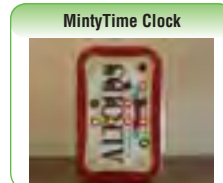


2112090

Time and Clock Kits

* Web Code: TCK

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
2157079	MTRTC001	ChronoDot Real Time Clock module (DS3231SN)	4	BEG	1.2"Dia.	0.4	\$15.95	\$14.95
2157415	MINTYK	MintyTime Clock. Binary clock kit that fits in an altoids tin. Light sensitive dimming. Tin & AA batteries not included.	56	BEG	2.9 x 2.5 x 1.0	0.1	29.95	26.95
2130520	VM141	Start-Stop Timer kit with a wide timing range, easy time setting, LED animation during operation and on-board start-stop buttons	40	BEG	2.8 x 1.8 x 0.8	0.2	29.95	27.95
2150601	TK001	LCD clock training kit displays messages and builds an alarm clock. Comes w/ all components including ATmega8A pre-programmed microcontroller	24	BEG	7.3 x 4 x 1.5	1.2	74.95	64.95
2136569	950+966	Desk/mantle LED shadow clock soldering kit	147	INT	8.8 x 2.3 x 4.5	1.1	79.95	74.95
2157087	280	Alpha Clock Five. Alphanumeric LED alarm clock with Chronodot RTC module. 2.3" tall digits. 12/24 hr modes	103	INT	9.4 x 2.8 x 3.8	2.2	144.95	134.95



2157415



2130520



2136569

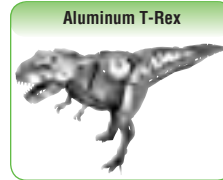


2157087

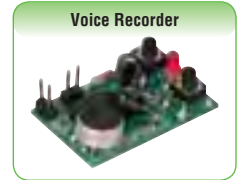
Miscellaneous

* Web Code: ERK

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
358299	70100	Tank Track and Wheel set, 3 track lengths	40	BEG	—	0.5	\$9.95	\$8.95
2128366	OWI-371	Aluminum T-Rex kit, soft, pre-punched aluminum parts, tools included	86	BEG	8.3 x 2.5 x 3.4	0.2	15.95	14.49
2119734	C-9701	20 second voice recorder, assembled, 1 msg.	1	BEG	1.4 x 0.9 x 0.5	0.1	14.95	13.49
2128462	EDU-61010	Leonardo da Vinci kit, Bombard, snap-together replica with educational manual	18	BEG	10.5 x 9 x 3.2	1.0	15.95	14.95
2124218	MKEL4	The learn to solder flashing siren kit teaches you the basics of soldering & includes 25W iron, wire cutters and solder. 9V battery not included	25	BEG	4.9 x 2.5	0.8	18.95	17.95
2124200	FO-30K	This kit teaches the fundamentals of fiber optics. You can transmit your voice or a 1kHz signal through the 3 ft. fiber optic cable	56	BEG	Rx: 1.3 x 4 x 1 Tx: 1.3 x 4 x 1	0.4	21.95	20.95
2143865	ROV5-1	Rover 5 Tracked Chassis. Height adjustable by 1.5" and has max speed of 10 in/sec. 87:1 gears.	5	BEG	9.5 x 9 x 3	2.2	49.95	46.95
2161609	MX909	500-in-1 Electronic Projects Lab kit. Includes manual and detailed instructions. 6xAAA batteries not included	200	BEG	16 x 24 x 4	11	269.95	259.95
2114520	70108	Tracked Vehicle Chassis kit, 2 gear ratios	57	INT	2.8 x 2.4 x 1	0.6	19.95	18.95
2144542	ROB0030	6WD Wild Mobile Platform, 5KG max load, 6x6V motors, sturdy aluminum built for outdoors	40+	INT	16.5 x 12 x 5	10	299.95	274.95
2114546	70168	Double Gearbox, 4-speed, independent left/right	116	EXP	2.8 x 2.4 x 0.9	0.3	12.95	11.95
2146572	VM110N	Control your electronics from your computer w/ this USB Interface, 7 inputs and 10 outputs	1	EXP	5.7 x 3 x 0.8	0.6	89.95	79.95



2128366



2119734



2124200



2143865



2161609



2114520



2144542



2114546

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Kits, Protoboards and Development Boards – BASIC Stamp Series

*Web Code: MBS

Part No.	Mfr. Part No.	Description	1	5
661116	27297	StampWorks Experiment kit, 35 projects based on the BASIC Stamp, includes Parallax Professional Development Board	\$289.95	\$264.95
2109181	27402	SumoBot Robot Competition Kit. Serial version w/ USB adapter. Includes two SumoBots and 36" ring poster.	239.95	229.95
2134871	32225	Understanding Signals w/ the PropScope, USB oscilloscope and test components. Learn to generate, view, and measure a variety of wave forms. BOE & BASIC Stamp 2 required	229.95	219.95
387971	27807	BS2 Educational Starter Kit, USB version, includes Board of Education, BASIC Stamp 2 module & guide to complete over 40 activities	159.95	149.95
282829	27207	BS2 Educational Starter kit, serial version, includes Board of Education, BASIC Stamp 2 module & guide to complete over 40 activities	159.95	149.95
387997	28832	USB BOE-BOT full kit, completely reprogrammable and uses a BASIC Stamp module, expandable for different robotic projects	159.95	144.95
282933	28132	Serial BOE-BOT full kit, completely reprogrammable and uses a BASIC Stamp module, expandable for different robotic projects	154.95	139.95
2109165	28803	Board of Education full kit, USB version, includes carrier board, BASIC Stamp 2 module, designed for those already familiar with programming Stamp modules	99.95	89.95
2109317	28124	Robotics with the Boe-Bot Parts kit. Includes chassis, whisker kit, drive train hardware, wheels & battery pack. (requires 387997 or 282933, see above)	81.95	77.95
2109202	90005	BASIC Stamp activity kit, learn electronics and programming, includes What's a Microcontroller guide and components for over 40 hands-on activities, includes USB to serial adapter & homework board w/ BASIC Stamp 2 MCU	49.95	44.95



Kits, Protoboards and Development Boards – Propeller Series

*Web Code: MBS

Part No.	Mfr. Part No.	Description	1	5
2160091	28980	Stingray Chassis kit, low profile, sturdy aluminum platform. (2) 7.2V motors with 5" Dia. wheels & multi-directional tail wheel. Multiple mounting slots and holes. Speed is approx. 6"/sec. Batteries & assembly required.	\$149.95	\$144.95
2007126	32111	Propeller Professional Development Board, 40-pin DIP socket for P8X32A-D40, variety of LEDs, buttons and typical devices and circuitry are built in for rapid project development, USB interface	159.95	154.95
2007097	32300	Propeller Starter kit, includes Propeller demo board, manual and USB A to mini B cable, board is pre-wired to connectors for PS/2 mouse/keyboard, VGA monitor and speakers	99.95	96.95
2151494	40000	P8X32A Propeller QuickStart Board. A great way to familiarize yourself with the power multi-core Propeller chip. 64KB EEPROM, 8 blue LEDs, 8 resistive-touch buttons, 32 I/O, USB power. Open hardware design	24.95	23.95



Sensors, Modules & Accessories

For more Sensors, see pg 76-77

*Web Code: PXS

Part No.	Mfr. Part No.	Description	1	5
2007185	28028	Sensor sampler kit includes accelerometer modules, humidity/temp, flexiforce, PING ultrasonic, proximity (PIR), ColorPal, piezo film vibra tab, and QTI sensors	\$174.95	\$169.95
2140331	28986	2-cell Li-Ion Power Pack/Charger, holds 2 rechargeable 3.7V 18650 sized Li-ion cells	59.95	56.95
2111935	32213	X-band motion detector. Detection from 8-30ft. 10.525 GHz, 4-pin SIP interface, 5VDC	36.95	34.95
2150230	29174	Altimeter sensor module with SPI & I2C bus interface, 24-bit barometric pressure and temperature output	29.95	28.95
2150221	27911	3-axis gyroscope module w/ embedded temperature sensor. I2C/SPI, 2.7-6.5VDC	29.95	28.95
282870	28017	2-axis Accelerometer, measures ±3g on each axis, simple pulse output of g-force for each axis, 6-pin DIP module, analog output for temperature	29.95	28.49
2109667	28526	3-axis accelerometer, digital output, SPI or I2C, sensitive select ±2g/±4g/±8g	29.95	27.95
282861	28015	Ping Ultrasonic Range/Distance Finder, 0.5" - 10 ft., 5VDC, 3-pin header	29.95	27.95
2109413	570-28015	PING Mounting Bracket kit, includes Parallax standard servo, use w/ 282861	29.95	26.95
2127081	28380	ColorPAL color/light sensor, detects a full range of colors and outputs data as RGB components	23.95	21.95
2109245	28031	USB to Serial (RS-232) Adapter, DB9 male socket, includes USB-A to mini-B cable, USB 1.1 and 2.0 compatible	19.95	17.95
2109456	28030	USB to serial (RS-232) adapter, DB9 male & USB mini-B port, use cable 2081481	16.95	15.95
2082935	32313	SD card adapter, SPI communication. Uses SMT components. Soldering required	16.95	14.95
2150256	28995	Sharp IR distance sensor GP2Y0A21YK0F, 10-80cm, 5V operation, 3-pin JST male header	15.95	14.95
2082927	555-28027	PIR Sensor kit, single bit high/low output, detection range up to 20 ft.	12.95	11.49
2082855	27800	Modular 2-axis joystick, dual 10k pot with common ground, 1.64" x 1.2" x 1.1"	8.95	7.95
2082901	27920	HS1101 Humidity Sensor, 5VDC to 10VDC, 0.25"x0.40" Dia., -40°F to 212°F	9.95	8.95
2109691	350-00014	Infrared receiver, 38kHz carrier freq. found in Boe-Bot and SumoBot kits	5.95	5.39
2109624	28109	Boe-Bot/SumoBot wheel & tire set, 1 wheel & 2 rubber band tires	5.95	5.39
2109763	605-00004	Piezo film vibration sensor, use as flexible switch, freq. response device	2.95	2.69
2129844	GP1UA287RK	56.8kHz IR detecting unit for remote control (Sharp)	1.49	1.25
2129772	GP1UM287RK	56.8kHz IR detecting unit for remote control (Sharp), anti EMI noise type	1.49	1.25



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RFID, Wireless Interface Devices & Embedded Networking Solutions

RFID Read/Write Modules and Tags

Use these modules for a variety of hobbyist and commercial applications, including data storage, access control, user identification, robotics navigation, inventory tracking, payment systems, car immobilization, or security systems.

PARALLAX



★ Web Code: RAD

Part No.	Mfr. Part No.	Description	1	5
2109739	28141	RFID passive tag, 54mm x 85mm rectangle, EM-4100 family	\$1.95	\$1.75
2110633	32397	RFID passive tag, 25mm round, EM-4100 family	1.95	1.75
2109851	28161	RFID passive tag, blue eye key fob, EM-4100 family	1.95	1.75
2123514	28440	RFID read/write module, serial, use card 2123522, supports passive tags	49.95	47.95
2007169	32390	RFID Reader kit, serial card reader, includes 4 different passive tags	44.95	42.95
2007177	32395	RFID Reader kit, USB card reader, includes 4 different passive tags	44.95	42.95
2128104	LP-2010	RFID design lab, serial or USB interface w/ RFID chip board, includes USB cable	699.95	669.95



2109739



2110633



2109851



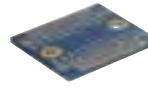
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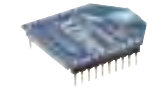
2113412



2123611



2129326



2113375



2113421



2123581



2144446



2109384



2113391



2123590



2119961



2124365



2132664



2124322



2132779



2124373



2124349

Wireless Interface Devices



PARALLAX



★ Web Code: WID

Part No.	Mfr. Part No.	Description	1	5
2160753	F301-SGP-D024-01	10-position single row female header w/ 2mm pin spacing, mates w/ Xbee chips	\$.99	\$.89
2113412	32403	Xbee adapter board raw PCB with 40-pin single row header and 2mm sockets	3.59	3.39
2159331	TEL0002	USB Bluetooth v2.0 dongle, PC/MAC compatible, 33' range max. upto 3 Mbps	4.95	4.49
2123611	32401	Xbee adapter board, 3.3/5V, Vreg & Logic converter included	16.95	15.95
2129326	A000021	Xbee/Zigbee Shield for Arduino, communicate wirelessly using an Arduino board up to 300 feet outdoors	21.95	19.95
2113375	32404	Xbee chip antenna, 1mW, 2.4GHz, 300' line of sight, 802.15.4 network	24.95	23.95
2113421	32400	Xbee adapter board, USB interface, PCB mount, 0.1" spacing, soldering required	27.95	25.95
2123581	32409	Xbee, zigbee series 2, 1.25mW, wire antenna, <400 ft. line of sight range	29.95	25.95
2144438	TEL0023	Bluetooth Bee in XBBE footprint, 30m max range, CSR BC417143, v2.0+EDR, 2.4-2.48GHz	32.95	29.95
2144446	TEL0026	Bluetooth module, 3.5-8V. v2+EDR, 2.4-2.48GHz, 30m max range, can be paired	32.95	29.95
2109384	27982	433MHz RF Transceiver module, 1200-9600bps transfer rate, 250 ft. line of sight range	39.95	38.95
2113391	32406	Xbee chip antenna, 60mW, 2.4GHz, <1 mile range line of sight, 802.15.4	41.95	39.95
2123590	32408	Xbee, zigbee series 2 pro, 63mW, wire antenna, <2 mile line of sight range	42.95	40.95
2119961	SE1200A-DIP	DataBridge, I/O transceiver, 6 digital I/O, 2 analog I/O, UART Tx/Rx, 2.4GHz, 1mW, 0.625 mile, internal ceramic antenna	74.95	69.95

Embedded Networking Solutions



★ Web Code: WHZ

Part No.	Mfr. Part No.	Description	1	5
2132664	WIZ108SR	RS-422/485 to Ethernet module, connects w/ serial device directly, 10/100 Ethernet interface	\$23.95	\$22.95
2124365	WIZ810MJ	Plug-in network module having W5100, usable without H/W design for W5100 transformer and RJ-45, supports MCU BUS and SPI interface	24.95	21.95
2124322	WIZ110SR	Serial to ethernet module, 10/100Mbps ethernet max 230Kbps serial	32.95	30.95
2132779	WIZF1210	Ultra low-power Serial-to-WiFi module brings WiFi connectivity via serial host interface, IEEE 802.11b/g/n compatible, up to 11Mbps	39.95	35.95
2124373	WIZ200WEB	Embedded web server module having Atmega128 & W5300, operates as HTTP server, supports 10/100Mbps ethernet	44.95	39.95
2124349	WIZ6000	Serial to WiFi, ethernet to WiFi, 1 RS-232, RJ-45 and standard 802.11b/g wireless interface, 54Mbps effective data transmission	134.95	129.95



Arduino Microcontrollers, Kits, Shields & Accessories

Arduino is an open-source physical computing platform based on a simple microcontroller board. Create interactive objects that can read inputs from a variety of switches, sensors, and computers to control lights, motors, and other physical outputs. The shields are expansion boards that sit atop an Arduino and broaden the functions, from motor control to prototyping.

Microcontroller Boards

Photos on next page

★ Web Code: ARD

Part No.	Manufacturer	Mfr. Part No.	Description	Dimension (L" x W" x H")	Pricing	
					1	5
2151259	KitPro	BB-Arduino	Build an Arduino-compatible circuit, Atmega 328P, assembly required, breadboard/PCB not included	—	\$14.95	\$13.95
2136526	EvilMadScience	000666	Diavolino is a low-cost Arduino-compatible development board. Atmega328P w/ bootloader and minimal components for operation. Requires a USB-TTL device to program, recommend P/N: 2117341	2.7 x 2.1	14.95	13.49
2115768	Solarbotics	KARDW	Arduweeny microcontroller kit, Arduino-compatible, Atmega328, 7+ pieces, assembly/soldering req.	1.6 x 0.54	9.95	9.49
2157765	DFRobot	DFR0159	DFRduino Pro Mini V1.2 (Arduino Pro Mini compatible) MCU board with 16MHz ATmega328, 14 digital I/O pins, 8 analog inputs, reset button, and holes for mounting pin headers	1.3 x 0.7	19.95	18.95
2144471	Arduino	A000011	Lilypad Arduino Main Board, ATmega328, 8MHz, 2-5V. For e-textiles. Wearable/washable	1.97"Dia.	23.95	22.95
2150555	Dagu	RS015	"Magician" dual 0.8A robot motor controller, each channel rated at 800mA, ATmega8 processor, USB interface and ISP socket, 8x3-pin servo inputs	3.4 x 2.7	28.95	26.95
2151486	Arduino	A000066	Uno Rev.3, ATmega328 (DIP), 14 digital I/O, 6 analog I/O, USB, ICSP, 32K flash	2.7 x 2.1	29.95	27.95

Continued on next page

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Arduino Microcontrollers, Kits, Shields & Accessories (Continued)

NEW
MARKED IN PINK



Microcontroller Boards (Continued)

* Web Code: **ARD**

Part No.	Manufacturer	Mfr. Part No.	Description	Dimension (L" x W" x H")	Pricing	
					1	5
2151232	Arduino	A000049	Uno SMD Rev. 2, Atmega328 (SMD), 14 digital I/O (6 PWM), 6 analog input, ICSP, 32K flash, USB-B	2.7 x 2.1	\$26.95	\$24.95
2163840	Arduino	A000073	Uno SMD Rev. 3, same as Rev.2 but has ATmega16U2 USB-Serial converter & 1.0 pinout, USB-B	2.7 x 2.1	34.95	31.95
2121148	Arduino	A000005	Nano v3.1, ATmega328, 14 digital I/O (6 PWM), 8 analog input, 0.6" wide breadboard-ready, USB mini-B	0.7 x 1.7	38.95	36.95
2157466	WickedDevice	NAN-USA	Nanode Kit v5, similar to Uno but has built-in Ethernet 10baseT ability. Requires FTDI device to program	2.7 x 2.1	39.95	37.95
2152366	Arduino	A000067	Mega2560 Rev.3, 54 digital I/O (14 PWM), 16 analog input, 256K flash, ATmega16U2 USB-Serial converter	4.3 x 2.1 x 0.6	59.95	56.95
2143929	Secret Labs	Netduino Plus	Netduino Plus, 32-bit ARM 7 MCU, 20K RAM, 64K flash, 20 GPIO, 100Mbps, µSD storage slot up to 2GB	2.8 x 2.1	57.95	56.95
2152294	DFRobot	DFR0162	XBoard v2 with WIZnet Ethernet port, XBee socket and ATmega328 MCU. 8 digital I/O, 8 analog input	2.6 x 1.6	39.95	35.95
2163794	Arduino	A000060	Arduino Ethernet w/ USB2Serial converter. Uno MCU & Ethernet shield in one board. PoE ready	2.7 x 2.1	69.95	64.95
2163807	Arduino	A000061	Arduino Ethernet w/ USB2Serial converter. Uno MCU & Ethernet shield in one board. PoE module included	2.7 x 2.1	89.95	—
2163858	Arduino	A000074	Arduino Ethernet w/ PoE module, Rev. 3. ATmega328, µSD memory slot & W5100 Ethernet chip, RJ45	2.7 x 2.1	79.95	74.95
2121121	KitPro	KIT-GSA	Get Started w/ Arduino kit, includes book, Arduino Uno, breadboard, LEDs, switches. No solder required	—	69.95	64.95
2171188	Arduino	K000007	Arduino Starter kit includes Uno Rev. 3 & 38 other components w/ book of 15 projects to learn and build	—	99.95	—

Shields for Arduino (Arduino sold separately)

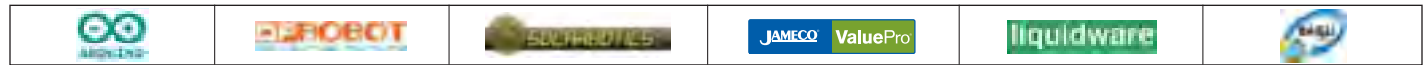
* Web Code: **AOS**

2152438	Arduino	A000082	Arduino Prototyping Shield PCB Rev. 3, compatible with new Arduino R3 pinout. PCB only.	2.7 x 2.1	\$4.49	\$4.25
2159277	DFRobot	DFR0019	Prototyping shield with mini breadboard. SOIC-14 pad, ICSP header, GND/5V rails (assembled)	2.7 x 2.1	12.95	11.49
2152446	Arduino	A000083	Arduino Proto Shield Rev. 3. 2 mini pushbuttons, 3 LEDs and a few resistors. Design your own shield!	2.7 x 2.1	12.95	11.49
2152391	Arduino	A000077	Arduino Proto Shield Rev. 3 (assembled). Has reset button, ICSP connector and pass-through headers	2.7 x 2.1	15.95	14.95
2157458	Wicked Device	ASK1	Ardweeny Proto Shield for use with the Ardweeny (P/N: 2115768, not included.) Mini breadboard, SOIC pad & status LED included	3.1 x 2.1	17.95	15.95
2144534	DFRobot	DFR0060	Screw Shield for Arduino. Convert female header pins to more secure screw terminals	2.7 x 1 (x2)	7.95	7.25
2159314	DFRobot	DFR0131	Proto Screw Shield (assembled). Provides prototyping area & screw terminals for secure I/O connections	2.65 x 3.17	15.95	14.49
2127582	Liquidware	DoubleWide	Replicate all Arduino pins into 2 locations so you can add 2 shields while having access to both at the same time. Shields sit side by side	2.7 x 4.2	19.95	18.95
2140402	Arduino	A000064	Wireless Proto Shield with XBee communication support, up to 100-ft indoors/300-ft outdoors	2.7 x 2.1	24.95	22.49
2152358	Arduino	A000065	Wireless SD Shield with µSD card slot and XBee socket, up to 100-ft indoors/300-ft outdoors	2.7 x 2.1	27.95	26.49
2152260	DFRobot	DFR0144	Relay Shield controls up to 4 relays. Max. switching power: DC 90W or AC 360VA. Controllable with Arduino, Xbee or Bluetooth	3.25 x 2.2	19.95	17.95
2144411	DFRobot	DFR0009	LCD Shield, 16x2, HD44780 compatible. White text, blue backlight, uses LCD4Bit library	2.7 x 2.1	19.95	17.95
2152286	DFRobot	DFR0092	Graphics LCD Shield provides a 48x48 pixel display. 6 digital, 5 analog I/Os, 2.3 x 2.1 displays English or Chinese, integrates a 5 DOF joystick	—	26.95	24.95
2121130	Adafruit	81	MotorShield Kit, control up to 4 DC motors/servos. 4 H-bridges. Motors not included, soldering required	2.7 x 2.1	19.95	18.95
2152403	Arduino	A000079R	Arduino MotorShield Rev. 3, dual full-bridge for inductive loads like relays, solenoids, DC/Stepping motors. 2A per ch., 4A max.	2.7 x 2.1	29.95	28.49
2128534	Robot Power	MEGAMOTO	High-power Motor Shield, 5-28V, 13A/30A peak, H-bridge or dual half-bridge	2.7 x 2.1 x 0.5	59.95	56.95
2135734	Rogue Robotics	AP-RMP	MP3 playback module without stacking headers. Module only. Supports MMC/SD/SDHC up to 32GB	2.7 x 2.1	59.95	54.95
2136657	Rogue Robotics	AP-RMP-H	MP3 playback module with stacking headers. Arduino-compatible, supports MMC/SD/SDHC up to 32GB	2.7 x 2.1	64.95	59.95
2152374	Arduino	A000072	Arduino Ethernet Shield Rev. 3 w/ µSD slot. PoE ready. Connects to LAN w/ Ethernet Library. Compatible w/ MEGA boards	2.7 x 2.1	44.95	39.95
2152382	Arduino	A000075	Arduino Ethernet Shield Rev. 3 w/ µSD slot & Power over Ethernet module. Embedded W5100 chip.	2.7 x 2.1	59.95	56.95
2157811	DFRobot	TEL0047	WiFi Shield v2.1 for Arduino. IEEE802.11b/g/n compatible, data rates: 11, 5.5, 2, 1 Mbps. Uses 3.3V	2.3 x 2.1	95.95	89.95
2153781	Parallax	35000	Board of Education Shield. Solderless breadboard prototyping & servo ports. Works with Uno & Mega	4.0 x 3.0	34.95	29.95
2153799	Parallax	130-35000	Robotics Shield kit mounts on BOE-BOT chassis (not incl.) features 40+ hands-on activities	5.0 x 3.3	129.95	119.95
2127558	Liquidware	Touchshield Slide	320 x 240 pixel resistive OLED touch screen, ATmega2560, can store sixty 128x128 images	2.7 x 2.1 x 0.5	169.95	164.95

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



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Arduino Microcontrollers, Kits, Shields & Accessories (Continued)



Sensors, Accessories and Miscellaneous Kits

★ Web Code: AOA

Part No.	Manufacturer	Mfr. Part No.	Description	Dimension (L" x W" x H")	Pricing	
					1	5
2137756	Arduino	A000040	Header kit for shields. (2) 1 x 6 pos & (2) 1 x 8 pos, 15mm pin length, 0.1" spacing	—	\$1.75	\$1.59
2152180	DFRobot	DFR0062	Wii Chuck Adapter is Arduino-compatible. Inserts into connector of a Nintendo Wii Nunchuck controller. 4-pin header allows access to 2-axis joystick, 2 buttons, and 3-axis ±2g accelerometer	1.0 x 0.25	3.49	2.95
2159453	DFRobot	DFR0028	Digital tilt switch sensor, 3-pin connection: output, power, ground	1.2 x 0.8 x 0.35	4.95	3.95
2159381	DFRobot	SEN0114	Soil moisture sensor, reads moisture present, includes analog sensor cable	2.4 x 0.8 x 0.35	5.95	4.95
2152278	DFRobot	DFR0076	Flame sensor used to detect fire or other wavelengths at 760nm-1100nm. Operating temp.: -25°C to +85°C, flame sensing angle: 60°	1.5 x 0.78	6.95	6.25
2159445	DFRobot	DFR0034	Analog sound sensor, detects sound intensity, input voltage: 5VDC	1.2 x 0.8 x 0.4	7.95	6.95
2159568	DFRobot	SEN0128	Analog alcohol sensor, sensitivity-adjustable, input voltage: 5VDC	1.7 x 0.8 x 0.5	8.95	7.95
2159373	DFRobot	SEN0101	Color sensor, with RGB sensor chip and 4 white LEDs, digital TTL interface	1.2 x 1.2 x 0.6	8.95	7.95
2157845	DFRobot	DFR0077	RS-232 to TTL converter, 4-pin connection: 5V, GND, logic in (SRX), logic out (STX), 300 to 115200 bauds	1.7 x 1.4	9.95	8.95
2144454	DFRobot	DFR0017	Relay module. Arduino Compatible. 150VAC/24VDC max switching voltage, 10A(NO) 5A(NC)	1.4 x 0.9 x 0.7	9.95	8.95
2152315	DFRobot	DFR0107	Arduino-compatible IR remote and receiver kit. Includes 3-wire cable	3.4 x 1.6	9.95	8.95
2150441	Dagu	RS002A	Compound infrared sensor can be used as a range finder or movement tracker within 200mm, 4 pairs of IR phototransistors and 4 IR LEDs	1.9 x 1.2	9.95	8.95
2144462	DFRobot	SEN0019	Adjustable IR sensor switch. 3-80cm range, 5V@100mA. 18" cable w/ 3-pin connector.	1.76"L x 0.70"Dia.	10.95	9.95
2152251	DFRobot	DFR0106	Light disk with 7 SMD RGB LEDs. 5V operation, 4-pin header, 6000mcd	1.42"Dia.	12.95	11.95
2134926	Arduino	A000009	Project Enclosure, ABS plastic, fits: Uno-Duemilanove-Diecimila-NG or MEGA, ethernet shield and battery	3.4 x 2.5 x 1.1	12.95	11.95
2134993	Arduino	A000032	830-contact breadboard with 70-piece jumper wire kit for easy prototyping	6.5 x 2.5	13.95	12.95
2152340	Arduino	A000059	USB to 5V serial adapter board, includes pins for RX, TX, 5V, ground and reset	1.7 x 1.0	16.95	14.95
2152243	DFRobot	DFR0065	FTDI basic breakout board for USB to serial communication. Uses DTR pin for hardware auto-reset when a new sketch is downloaded	1.6 x 0.85	16.95	14.95
2117341	Solarbotics	50512	Basic breakout board, 3.3/5V, FTDI mini USB-B to serial 6-pin, works w/ Arduino & clone 5V Arduino boards can use as a USB port, FT232RL chip	1.4 x 0.65 x 0.25	19.95	18.95
2144665	PowerSwitch Tail	80135	Power cord switch, control outlet with microcontroller, 3-prong, 15A @ 125VAC, 5V control signal	4.0 x 2.1 x 1.5	29.95	26.95
2144489	ValuePro	2601510235340Z	Conductive sewing thread, size 92, 234/34 (4 ply), 50Ω/meter. Perfect for Lilypad (P/N 2144471)	400'+ reel	29.95	26.95
2144500	DFRobot	DFR0018	9-piece analog sensor set for Arduino. Includes big push button, LED light module, ambient light, capacitive touch, LM35 temperature, magnetic, vibration, tilt, and grayscale sensor. Each sensor has 12" wires	(1) 1.4"L x 0.8"W (8) 1.2"L x 0.8"W	39.95	36.95
2127566	Liquidware	HICAP Li Backpack	High capacity 2200mAh Lithium-Ion battery, rechargeable via Arduino USB and USB type-B mini cable. Supplies regulated 5V and 3.3V	2.7 x 2.1 x 0.5	46.95	44.95
2157757	DFRobot	KIT0003	Auto-watering kit with control board, temp/humidity sensor, moisture sensor, water tube, immersible pump, mini USB cable, 6xAA battery holder, DC adapter and enclosure	3.7 x 2.4 x 2.4	62.95	59.95
2157749	DFRobot	DFR0182	Wireless gamepad v2.0, supports Xbee, Bluetooth, RF and WiFi via the Xbee socket, allows the user to define the buttons and protocols via standard Arduino IDE, 3 AAA batteries required	5.5 x 4.6	64.95	62.95
2152307	DFRobot	COMB0002	Wireless programming kit for Arduino Uno/Duemilanove, Mega 1280/2560. Includes: 2 programming modules, I/O shield, Xbee USB adapter, USB cable	2.4 x 2.4	89.95	86.95

Chassis/Mobile Platforms and Accessories

★ Web Code: MOB

Part No.	Manufacturer	Mfr. Part No.	Description	Dimension (L" x W" x H")	Pricing	
					1	5
2150547	Dagu	DG008	4WD plastic mobile platform with (4) 4.5V motors. No load speed is 90 ±10 rpm	6.25"L x 5.0"W	\$26.95	\$24.49
2124277	DFRobot	ROB0005	2WD aluminum mobile platform with (2) 3-6VDC motors, speed: ~27.6"/sec.	6.7"Dia.	57.95	55.95
2124285	DFRobot	ROB0003	4WD aluminum mobile platform with (4) 3-6VDC motors, speed: ~35"/sec.	7.9 x 6.7 x 4.1	59.95	54.95
2144420	DFRobot	ROB0025	4WD aluminum mobile platform with wheel encoder, (4) 4.5-6V motors, speed: ~26.7"/sec.	9.0 x 7.3 x 4.3	79.95	74.95
2146345	DFRobot	ROB0022	4WD aluminum mobile platform with Romeo microcontroller. Romeo is Arduino-compatible and features built-in motor control, speed: ~35"/sec. (4) 3-6VDC motors included	7.9 x 6.7 x 4.1	84.95	79.95
2159912	DFRobot	FIT0003	Replacement wheels with tires, used with above 2WD/4WD mobile platforms Fits motor P/N 2150432, 4 wheels in the pack	2.58"Dia. x 1.03"W	13.95	12.49
2159921	DFRobot	RB-TIRE	Replacement tires only w/o rims to replace FIT0003 tires, 4 tires in the pack	2.58"Dia. x 1.07"W	2.95	2.49

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Alternative Energy Kits & DIY Workshop Kits



Alternative Energy Kits

★ Web Code: NRG

Horizon Fuel Cell Technologies has become the world's largest volume producer of commercial fuel cell products, serving customers in over 40 countries. The launch of the "H-Racer" toy-scale fuel cell car in 2006 offered a first glimpse of the company's unique technology that won several consumer product design awards, including a Time Magazine "Best Invention" award. Presently, Horizon produces extremely compact, lightweight, and complex hydrogen generation solutions suitable for electronic hobbyists, including renewable energy science experiment sets and battery-free kits.



2095007



2095015



2112161



2112170



2112196

Part No.	Mfr. Part No.	Description	1	5
2095007	FCJJ-23	H-Racer 2.0 is the world's smallest hydrogen fuel cell car equipped with remote-control steering and light emitting features with the car	\$114.95	\$107.95
2095015	FCJJ-27	Alternative Energy kit that combines solar, wind, and fuel cell technologies in a mini-renewable energy system	209.95	199.95
2112145	FCJJ-29	Wind Pitch is a miniature real-working wind turbine (wind power generator) designed to evaluate the pitch (setting angle)	109.95	99.95
		of the profiled blades. Up to 12 profile blades can be installed for evaluation		
2112153	FCJJ-26	Hydro-Wind Turbine kit invents clean energy applications using fuel cells and renewable hydrogen-harness the energy of the wind	139.95	129.95
2112188	FCJJ-22	Bio-Energy kit uses ethanol as fuel source. This fuel cell kit directly converts ethanol (alcohol) to electricity silently and without any combustion ..	99.95	89.95
2112161	FCJJ-11	Fuel Cell Car Science, reversible PEM fuel cell combines electrolysis & power conversion in an autonomous car	74.95	64.95
2112170	FCJJ-16	Solar Hydrogen Education; invent clean energy applications using fuel cells and renewable hydrogen	69.95	64.95
2112196	FCJJ-24	Renewable Energy Monitor with software; 2-line LCD screen displays real time voltage, current, power, joules, resistance and RPM speed	129.95	124.95
		Compatible with all Horizon's clean energy education kits (2095007, 2095015, 2112145, 2112153, 2112161, 2112170 & 2136593)		



DIY Workshop Kits & Club Jameco Projects

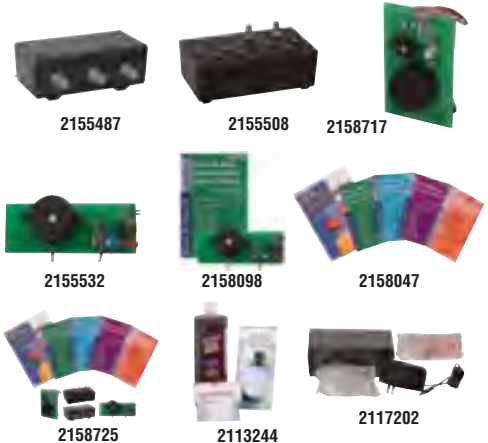


Forrest M. Mims III Kits and Books

See complete kit descriptions online,
additional parts may be required

★ Web Code: FMB

Part No.	Description	1	5
2155487	Atari Punk Console Kit: Sound synthesizer based on the 555 timer	\$24.95	\$22.95
2155508	Toy Organ Kit: Each button generates a different tone with tunable volume and pitch	44.95	42.95
2158717	The Fridge Alarm Kit: Catch food burglars in the act with the light activated siren	16.95	15.95
2155495	The Fridge Alarm Kit w/ Forrest Mims Mini Notebook: Electronic Sensor Circuits & Projects	26.95	24.95
2155532	The Vibration Sensor Kit: Detect vibrations with a piezo speaker and signals via an LED	19.95	18.95
2158098	The Vibration Sensor Kit w/ Forrest Mims Mini Notebook: Electronic Sensor Circuits Projects	31.95	29.95
2158709	Forrest Mims Mini Notebook Series, Volumes 1-4	52.95	51.95
2158047	Forrest Mims Five Book Bundle: Includes a collection of 100 hand-tested circuits for building	69.95	66.95
2158725	Forrest Mims Five Book and Four Electronic Kit Bundle: Soldering is required	169.95	164.95



Circuit Skills Web Supported Kits & Projects

★ Web Code: ERK

Part No.	Description	1	5
2113244	Etch your own printed circuit board. Includes (2)3"x4" pre-coated boards & etch solution*	\$46.95	\$42.95
2117202	Build a waveform generator and learn the basics for laying out an enclosure. Soldering required	64.95	62.95
2121092	Build a basic guitar effect pedal while learning the basics for perfboard prototyping. Soldering required	24.95	23.95
2124197	Try your hand at a SMT project w/ 1206 components and you too can build a light reactive tone generator	29.95	27.95
2126272	Learn the basic functionality of an LED Color Organ ("sound-to-light") circuit. 3.5mm audio jack input	39.95	36.95
2127970	Learn how to drive an 8x8 LED matrix using an LED driver IC and an Arduino. Includes Arduino Nano v3.0	46.95	44.95

*Shipped via ground to continental U.S. only

Jameco Builds

★ Web Code: ERK

Part No.	Description	1	5
2155516	Build a compact USB charger w/ 5V output to charge small electronic devices. Soldering required	\$14.95	\$13.95
2155567	RGB LED Origami Kit: Includes (3)10mm RGB LEDs, mini-breadbrd, hook-up wire, battery box & batteries	17.95	16.95
2155541	LED Color Organ Kit: Similar to 2126272 but includes PCB with labels. Mono channel.	44.95	42.95
2146329	4x4x4 LED Cube Kit: Advanced solder kit requires AVR programming for blue LED display visuals	69.95	66.95

Club Jameco Projects

Earn with Club Jameco www.ClubJameco.com/Earn

★ Web Code: CLK

Part No.	Description	1	5
2158987	Cyclops Walkbot Kit: Build a mini desktop bot that jitters with little vibrating motor	\$15.95	\$14.95
2158821	Mote-Lite Kit: This easy solder kit will add illumination to your remote control w/ the flick of your wrist	19.95	18.95
2159007	Popcorn Strobe Kit: Produces a flashing circuit similar to a strobe light. Based on the 555 timer	19.95	18.95
2159066	Motion Sensing Pulsing LED Kit: Add a blinking light effect to any object. Based on the ATtiny13 MCU	19.95	18.95
2159103	Audio Easter Egg Kit: Build 2 chirping circuits & will fit in plastic egg 2" or larger. Eggs not included	24.95	23.95
2159146	LED Matrix Kit: PCB configured for AR/CC, uses Max7219 LED driver IC. Reqs 64 leds & Arduino for control	39.95	37.95



Continued on next page

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Club Jameco Kits, Muscle Wires & Compass Modules

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACILITY OVERRUN



DIY Workshop Kits & Club Jameco Projects (Continued)

Club Jameco Projects (Continued)

See complete Kit descriptions online

★ Web Code: **CJK**

Part No.	Description	1	5
2168405	4 Input Audio Switch Box Kit: Switches any four male audio 3.5mm inputs to one 3.5mm output	\$12.95	\$10.95
2161369	Low-Voltage Cutoff Switch: Disable accessories when voltage drops to a pre-set limit	14.95	12.95
2161705	Hockey Puck Light Hack: Modify a puck light to be powered from 12V lines of an audio mixer (puck not included)	14.95	12.95
2160817	Super Simple Low Power AM Radio Kit: Learn basic RF concepts with this breadboard project	14.95	12.95
2161220	Sky Writer Wand Kit: Generate patterns with LEDs and the "persistence of vision"	19.95	18.95
2169694	Science of Remote Control Kit: Build your own remote control using IR for a special LED circuit	19.95	18.95
2169088	Simple LED Tester/Matcher Kit: Tests LEDs with selectable current from 2 to 16mA	19.95	18.95
2169580	Easy Laser Alarm Kit: Senses light from a laser on a photocell to sound a buzzer when the beam is broken	19.95	18.95
2163680	XB-Buddy Basic Kit: Built-in 6-pin FTDI conn. to program an Xbee from a USB port (Xbee module not included)	23.95	21.95
2161561	Fridge Alarm w/ 20 sec. Delay Kit: Perfect indicator for when the fridge is accidentally left open	23.95	21.95
2161351	8-digit I ² C Breakout Board Kit: for use with a compatible LED display	24.95	23.95
2160681	Transformer Kit: Learn how to wind a simple transformer	24.95	22.95
2167200	Car Dome Light Extender Kit: Fading courtesy light addition similarly found in luxury cars	24.95	22.95
2169070	Sanitary Hand Power Switch Kit: Turn a device on/off by waving your hand over the photo sensor	24.95	22.95
2168368	Electronic Dice Kit: Functions include dice, count down timer, light display, and two person laser target game	24.95	22.95
2162505	x10 Appliance Module: For LED and CFL Lighting applications. Max AC current rating is 6 Amps	24.95	22.95
2169109	Water Level Control Kit: Turns on/off a pump (not incl.) when water level is too low or too high	24.95	22.95
2169117	Bicycle Turn Signal and Headlight Kit: Uses LEDs and 9V battery to illuminate arrows w/ a switch	24.95	22.95
2161107	Variable Digital Load Kit: Max load voltage: 48V @ 0.5A, Max load current: 3A @ 12V	29.95	27.95
2169678	Tach Rotor Adapter Kit: Converts tach signal into rotor-locked signal. Additional accessories required	29.95	27.95
2168325	Metronome Kit: 7-seg display shows beats/min and allows you to switch between different time signatures	29.95	27.95
2163938	Universal Constant Current/Constant Voltage LED Dimmer. Works w/ under-cabinet LED lights or high-brightness LEDs	29.95	27.95
2163671	XB-Buddy Kit: Combines the Xbee breakout board w/ FTDI cable. USB-A on board (Xbee not included)	29.95	27.95
2170812	DIY geiger counter uses a PIN photodiode as a substitute for a Geiger-Mueller tube. Detect alpha and beta particles	32.95	29.95
2169686	Low-Cost Isolated RS-485 to USB Interface Kit (RS422/RS485 transceiver IC required)	34.95	32.95
2169061	Talking Voltmeter Kit: Reads out whole number readings. Adjustable power supply (0-20V) required	34.95	32.95
2168579	ZIF Box Kit: Allows for programming of bootloaded ATmega328 ICs w/o the worry of damaging IC legs	39.95	37.95
2168923	Deer Deterrent Kit: Sounds a buzzer and flashes LEDs at random intervals	44.95	42.95
2169096	Guitar Amplifier Kit: Design a practice 25W power amp. Simple perfboard soldering and some hand-wiring	59.95	56.95
2168309	Fun Light Switch Box: Behavior of the lights vary depending on how the switches are set	69.95	66.95
2168940	8x8x8 LED Cube: Includes 550 3mm blue LEDs. Driven by included Arduino Uno. Programming required	149.95	139.95
2172017	8x8x8 LED Cube: Includes 550 3mm green LEDs. Driven by included Arduino Uno. Programming required	149.95	139.95



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MONDO•TRONICS

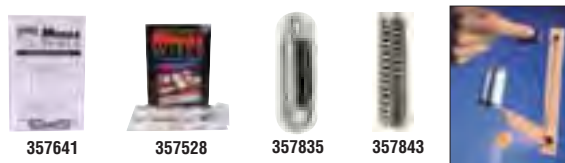
Flexinol® Shape Memory Alloy Actuator Wires

Small diameter nickel-titanium wires contract like muscles when electrically driven.

- LT (low-temp) activate at 70°C
- HT (high-temp) activate at 90°C

Includes: Instructions and technical specs.

★ Web Code: **WAU**



Part No.	Mfr. P/N	Length (meter)	Wire Dia. (microns)	Linear Resistance (Ω/m)	Typical Current (mA)	Deform Weight* (grams)	Recovery Weight* (grams)	Typical Rate**	Pricing	
									1	5
357931	075LT	1	75	200	100	815	80	40	\$9.95	\$8.95
357595	100HT	1	100	150	180	28	150	43	9.95	8.95
357472	100LT	5	100	150	180	28	150	33	27.95	24.95
141874	150LT	1	150	50	400	62	330	20	9.95	8.95
160055	375LT	1	375	8	2750	393	2000	4	12.95	11.49
357712	375HT	1	375	8	2750	393	2000	5	11.95	10.95

* Multiply by 0.0098 to get force in Newtons

** Cycles per minute, in still air, at 20° Centigrade

Muscle Wire Kits, Book, Nitinol Wire and Springs

★ Web Code: **WAU**

Part No.	Mfr. Part No.	Description	1	5
141330	3-133	Muscle Wire Project Book, 3rd Edition	\$19.95	\$18.95
357827	3-619	Solar Space Wings kit	23.95	21.95
357659	3-141	Project Book Sample kit (20cm of 50µm flexinol wire; 40cm of 100µm and 150µm LT wire)	32.95	29.95
357641	3-136	Muscle Wire Super Sampler kit (20cm each of 037µm, 050µm, 100µm, 150µm, 250µm)	35.95	32.49
357843	3-657	Nitinol compression springs (4pk.) 8mm OD x 36mm L x 950µm, black	39.95	37.95
357835	3-642	Nitinol tension springs (4pk.) 6.5mm OD x 26.5mm L x 750µm, black	39.95	37.95
357528	3-102	Muscle Wire R & D kit (5 meters each of 0.050µm, 100µm LT wire; 1 meter each of 250µm Flexinol LT wire)	119.95	107.95

FPNI Vector 2X Compass Module

- Pin selectable BCD or binary output format (compatible with Motorola SPI and National Microwire)
- 2° accuracy, 1° resolution
- 3-wire serial output format
- Raw uncalibrated magnetometer output optional
- Hard iron calibration • 5Hz sampling rate
- Master or slave capability for data clock generation

Part No.	Description	1	5
126703	Compass module	\$24.95	\$22.95

3-Axis Compass Module

- Low-field magnetic sensing with digital interface
- Wide field range: ±8 gauss
- 1° to 2° heading accuracy • I²C digital interface
- Propeller, Stamp, and Arduino compatible

Part No.	Description	1	5
2150248	Honeywell HMC5883L chip ..	\$29.95	\$28.95

Monocrystal Sealed Solar Panel

- Equivalent to Panasonic BP-37334
- 12 cells • Power: 98mW ±10%
- Rated voltage: 5.8V to 6.9V
- Rated current: 15mA
- Open circuit voltage: 7.2V
- Short circuit curr.: 17mA to 20mA
- 4 solder contacts on the back
- Size: 1.46"L x 1.28"W x 0.1" Thick

Part No.	Mfr. Part No.	1	5	25
2162572	RU6715	\$8.95	\$7.95	\$6.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



Solar Panels and Controllers

*Web Code: AEK

Solar Photovoltaic Arrays

- Full-size monocrystalline solar panels can be used to charge your batteries or power your project
- 3 different panels to suit your applications • Max. power voltage: 17.8V • Open-circuit voltage: 21.6V
- Panel frames are made from aluminum for lightweight quality • Maximum system voltage: 1000VDC
- Tested under Standard Test Conditions (STC – irradiance 1000W/m², AM 1.5 spectrum, cell temperature: 25°C)

2128497



2128569

Part No.	Mfr. Part No.	Max Power (W)	Max Current (A)	Short-Circuit Curr. (A)	No. of Cells	Dimensions (L" x W" x H")	Wt. (lbs.)	1	5	25
2128497	PM-10S	10	1.35	1.48	6	14.9 x 12.4 x 1.3	5.29	\$54.95	\$52.95	\$49.95
2128569	PM-25S	25	1.35	1.50	9	25.3 x 11.1 x 1.4	7.50	129.95	123.49	116.95
2128585	PM-65S	65	3.65	4.04	36	32.8 x 21.2 x 1.4	18.96	279.95	267.49	254.95

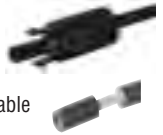
Power Mate Solar Charge Controller

- Works with both 12V and 24V solar photovoltaic systems
- Protections include: overcharge, overdischarge, reverse polarity, output short circuit, and solar panel short circuit
- LED indicators for mode function and setting button for changing modes
- Max. charging voltage: 14.7V for 12V systems, 29.4V for 24V systems
- Max. discharge voltage: 10.5V for 12V systems, 21V for 24V systems



Solar Panel Adapter Cable

- MC4 connection from the solar panels and wire connection to the charge controllers
- MC4 connectors are rated IP68
- Mating end connector is not available
- Length: 12" ±0.5"
- For use with charge controllers, PSC-A15 & PSC-A20



Opposite End

Part No.	Mfr. Part No.	Solar Panel Power (Max.)		Output Curr. Max. (A)	Wire Range (AWG)	Dimensions (L" x W" x H")	Pricing		
		12V System	24V System				1	10	25
2128606	PSC-A15	180W @ 18V	360W @ 36V	15	8-10	5.5 x 3.5 x 2.0	\$36.95	\$32.95	\$29.95

Part No.	Mfr. Part No.	AWG	1	10	100
2129203	PCA-0104B	8-10 ...	\$15.95	\$14.95	\$13.95

PowerFilm. Foldable Solar Chargers

Ultra Compact, Ultra Lightweight, Easy-to-Use

PowerFilm develops and manufactures thin, flexible solar panels based on a proprietary low cost, high quality production process. PowerFilm encompasses the consumer part of today's solar markets and are used for recharging consumer electronics, such as laptops, cell phones, GPS, and mp3 players.

2108621: Charges 2 AA batteries (folds up compactly to fit into pocket)

2097133: Charges 2 AA rechargeable batteries and most small USB devices (folds up compactly to fit into pocket)

2174750/2174768: A-Si solar technology provides power immediately. Lightweight and durable with weather resistant fabric. Includes cigarette lighter socket output

Part No.	Mfr. Part No.	Description	Operating Volt. @ Curr.	Charging Volt.	Folded/Unfolded Dimensions (in.)	1	5
2108621	AA Charger	Solar, foldable charger	3.6V @ 0.6A	—	5.5 x 3.3 x 1.4 / 5.5 x 31.5	\$74.95	\$69.95
2097133	USB + AA Charger	USB + AA charger	3.6V @ 0.4A	5V	3.25 x 5.5 x 1.38 / 24 x 5.5	79.95	74.95
2174750	F16-1800	Solar, foldable charger, 30W	15.4V @ 1.8A	12V	47 x 25.25 / 12.75 x 7 x 1.25	399.95	379.95
2174768	F16-3600	Solar, foldable charger, 60W	15.4V @ 3.6A	12V	51.5 x 47.5 / 13.25 x 7 x 2	879.95	839.95



2097133



Fits in Your Pocket

NEW MARKED IN PINK



2174768

PowerFilm. Flexible Thin Film Solar Modules

*Web Code: AEK

Wireless Electronics Series The Wireless Electronics Series offers a new opportunity to solve the old problem of limited power for wireless electronics in portable and remote applications. This module is lightweight, paper thin and durable.

228013



Part No.	Mfr. Part No.	Operating Voltage	Operating Current (mA)	Size (L x W x T)		Pricing		
				Inches	mm	1	5	25
227985	SP3-37	3.0	22	2.5 x 1.5 x .01	64 x 37 x 0.2	\$3.95	\$3.49	\$3.15
227993	TX3-25	3.0	25	4.5 x 1.0 x .01	114 x 25 x 0.2	3.95	3.49	3.15
171061	MP3-37	3.0	50	4.5 x 1.5 x .01	114 x 37 x 0.2	5.95	5.35	4.79
228013	MPT3.6-75	3.6	50	2.9 x 3.0 x .01	74 x 75 x 0.2	6.95	6.49	5.95
228030	SP4.2-37	4.2	22	3.3 x 1.5 x .01	84 x 37 x 0.2	5.95	5.35	4.79
228056	MPT4.8-150	4.8	100	3.7 x 5.9 x .01	94 x 150 x 0.2	15.95	14.95	13.95
228064	MPT6-75	6.0	50	4.5 x 3.0 x .01	114 x 75 x 0.2	12.95	10.95	9.95
228072	MPT6-150	6.0	100	4.5 x 5.9 x .01	114 x 150 x 0.2	19.95	17.95	15.95
228099	MP7.2-150	7.2	200	10 x 5.9 x .02	253 x 150 x 0.6	37.95	34.95	32.95
228101	MPT15-75	15.4	50	10 x 3.0 x .02	253 x 75 x 0.6	19.95	17.95	15.95
228110	MPT15-150	15.4	100	10 x 5.9 x .02	253 x 150 x 0.6	39.95	35.95	31.95

WeatherPro Series

The right choice for permanent outdoor applications that are directly exposed to the elements. These modules feature rugged construction, a UV-stabilized surface, an extra edge seal for weather protection, and tin-coated copper leads that extend from the module.

228161



Part No.	Mfr. Part No.	Operating Voltage	Operating Current (mA)	Size (L x W x T)		Pricing		
				Inches	mm	1	5	25
228161	P7.2-75	7.2	100	10.3 x 3.9 x .04	270 x 100 x 1.1	\$34.95	\$31.49	\$28.25
228195	PT15-150	15.4	100	10.3 x 6.9 x .04	270 x 175 x 1.1	54.95	49.45	44.49
228208	PT15-300	15.4	200	10.3 x 12.8 x .04	270 x 325 x 1.1	99.95	89.95	79.95

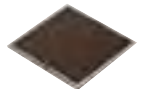


60mm Solar Panel

*Web Code: AEK

- Clear coat plastic
- Power output: 0.25W max.
- Volt. output: 4.7VDC to 5VDC
- Size: 2.36" L x 2.36" W x 0.1" Thick
- Material: copper indium diselenide

Photovoltaic Mini Module



Part No.	Description	1	5	25
1928142	Solar panel	\$7.95	\$6.95	\$6.25

Mini-Panel Solar Cells

*Web Code: AEK

Ready to Use! No Soldering

Mini-panels are secured in plastic body with a prismatic cover to help capture all available light. 6" red/black wires attached.



200221

2113666: Solar Cell Grab Bag

- Contains fragile cells of various sizes w/ 0.5V output
- No leads attached and require soldering

2113666



Part No.	Mfr. P/N	VDC @ mA	Size (L x W)	1	5
2136913	SOL1	0.5 @ 400	2.8" x 1.8" ..	\$6.49	\$5.95
200221	SOL4	2.0 @ 200	3.0" x 3.7" ..	10.95	9.95
215319	4-3.0-100	3.0 @ 100	3.8" x 2.5" ..	12.95	11.95
2140373	750-00030	6.0 @ 167	4.9" x 2.5" ..	12.95	11.95
215327	4-6.0-50	6.0 @ 50	3.8" x 2.5" ..	14.95	13.49
2113666	SC-GRAB	Solar cell grab bag (min. 40pcs/bag, sizes vary)		9.95	8.95

*For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box



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1 day 2 3 4 5 6 days

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Featured Products

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN



DC-DC Converter, Wall Adapters and Table-Top Power Supply



Get all the power you need in both AC and DC forms at a great price with the collection of converters, AC-AC, and AC-DC power supplies.

Power Products on pages 93-116

Part No.	Manufacturer	Description	Output Volt. @Max. Curr.	1	5	25
2151101	ReliaPro	AC-DC regulated wall adapter, 2.1mm x 5.5mm center positive female plug, 5-foot cord length, UL/CUL/CEC Level V approved	12V @ 0.5A	\$7.95	\$6.95	\$6.25
2167541	ReliaPro	AC-DC interchangeable plug wall adapter, 2.1mm x 5.5mm plug, RFI/EMI filter, CEC Level IV compliant, includes US, UK, EU, AUS plugs	12V @ 1A	13.95	12.95	11.49
2167576	ReliaPro	AC-AC wall adapter, 2.1mm x 5.5mm right-angle plug, input: 120VAC @ 60Hz, 6-foot cord length, UL/CSA approved	12VAC @ 1.2A	10.95	9.95	8.95
1953840	Mean Wells	15W enclosed DC-DC converter with built-in EMI filter, short-circuit, overload, over-voltage protection. Input range: 36-72V	12V @ 1.25A	14.95	13.49	—
2151208	ReliaPro	AC-DC regulated wall adapter, 2.1mm x 5.5mm center positive female plug, 3-wire AC plug, LED indicator, UL/CUL approved	12V @ 3A	17.95	15.95	13.49
2154951	Mean Wells	60W regulated table-top w/ 2.5mm x 5.5mm center positive female plug, built-in PFC. AC cord not included, recommend P/N 38050	18V @ 3.33A	20.49	18.49	—



PC Mount and General Purpose Relays



Designed for use in the appliance and temperature control industries, these relays offer multiple termination options for other various industrial, commercial and automotive applications.

Relays & Sockets on pages 73-75

Part No.	Mfr.	Type	Contact Form	Coil Voltage	Contact Current	Coil Resistance	1	10	50
2167550	Fujitsu	PC mount	SPST-NO	12VDC	40A	170Ω	\$3.95	\$3.49	\$2.95
2155081	ValuePro	PC mount	SPDT	12VDC	20A	225Ω	1.49	1.25	1.09
2158611	Nais/Aromat	PC mount	4PDT	12VDC	2A	360Ω	7.95	6.95	6.25
2167461	Omron	General purpose	4PDT	12VDC	3A	160Ω	8.95	7.95	6.95



D-Sub Connectors

These connectors take many shapes and forms to fit all your computer's communication ports and network ports.

D-Sub Connectors on pages 52-54

D-Sub Connectors on pages 52-54			Manufacturer							
			AMP			Jameco ValuePro				
Type	Contacts	Gender	Part No.	1	10	100	Part No.	1	10	100
Metal solder-cup	9	F	223052	\$2.95	\$2.75	\$2.49	15771	\$.75	\$.65	\$.55
Metal solder-cup	9	M	222990	2.95	2.49	2.25	15748 [Ⓜ]	.75	.65	.55
Right angle PCB mount	9	F	614504	1.25	1.19	.99	104952 [Ⓜ]	.79	.69	.59
Crimp type	9	M	222640	1.15	.95	.85	73189	.55	.45	.35
Metal straight PCB mount	15	M	2133510	.75	.65	.59	176760	.75	.65	.55



General Purpose Hand Tools

Whether you need to cut, strip or crimp, hand tools are always a must-have in the workshop.

Tools on pages 130-135

Part No.	Mfr.	Description	1	5	25
35482	BenchPro	4.3" Diagonal cutter for flush cutting up to 1.2mm thick	\$6.95	\$6.49	\$5.95
159291	Hanlong	6.6" Wire cutter/stripper with spring return, 20-30AWG	9.95	8.95	7.95
159266	Hanlong	D-sub crimper for crimping pins and sockets, 20-28AWG	11.95	10.95	9.95
338678	BenchPro	8.3" Hand crimp tool for open barrel connectors, 18-22, 24-30 AWG	24.95	22.49	19.95



★ Web Code: GBU

6W Portable USB Soldering Iron

Achieve up to 896°F (480°C) in just 20 seconds by using only a 9V battery or USB cable!

- Professional grade soldering tip
- Built-in ultra bright LED
- Rating: 5V @ 800mA
- Perfect for soldering SMD components

Includes: 9V battery adapter, USB cable Y-adapter and sponge

Part No.	Mfr.	Part No.	Size (L" x W")	1	5
2173618	MSD-086		5.8 x 0.6	\$19.95	\$17.95



Beginner Educational Kits

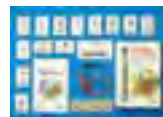
If you're looking for a way to start getting into electronics, these kits are just for you! Plenty of components are included in both kits with detailed instructions on how to build a variety of fun and exciting projects.

2119662: 130 parts, 16+ projects, and available online video courses

2161609: 200 parts, 500 projects, for beginners and experienced users, built-in microcomputer with LCD, keyboard, transformer and more

Educational Kits on pages 155-164

Part No.	Mfr.	Mfr. Part No.	Description	Price
2119662	Sparkle Labs	SL004	Discover Electronics Kit	\$49.95
2161609	Elenco	MX-909	500-in-1 Project Lab Kit	269.95



For ages 14 and up



PIC Device Programmer

IC Programmers on page 149

This PIC device programmer is manufactured under license from Microchip Technology and provides a highly flexible and low-cost tool for designing and programming PIC microcontrollers.

- Serial RS232 port
- Built-in editor, assembler, and simulator
- Supports most DIP-packaged PIC microcontrollers available from Microchip
- Operated with Microchip's free Integrated Development Environment MPLAB
- Reads, programs, and verifies EPROM and EEPROM program and data memory
- Reads, programs, and verifies all configuration bits
- Power consumption: 10W max.

Includes: RS-232 cable, DC power adapter, CD-ROM and user's manual

Part No.	Description	1	5
2156041	PSTART PIC programmer	\$169.95	\$159.95



★ Web Code: SUP

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Switchcraft® Microphone XLR Connectors

Audio/Video Connectors on pages 51-52

Ensuring the best possible sound output is all in the connectivity. These premium microphone connectors have an adjustable dual pressure plate cable clamp and flexible strain relief to provide solid connections while allowing room to move.

* Web Code: ABV

Part No.	Mfr. Part No.	Description	Dimensions (mm)	1	10	25
281720	J3FS	3-pin female, metal, wall plate, latchlock	69.9W x 114.3H x 35.3D	\$23.95	\$22.95	\$20.95
281658	D3M	3-pin male, metal, panel mount, latch holder	22.1W x 36.3H x 22.9D	4.95	4.49	3.95
281586	A4F	4-pin female, straight cord w/ latchlock	81.8L x 19 dia.	9.95	9.49	8.95
281594	A4M	4-pin male, straight cord plug, latch holder	70.6L x 19 dia.	7.49	6.95	6.49



Jameco ValuePro molex AMP Splices, Quick Connect, Ring & Spade Solderless Terminals

Wires and connectors go hand-in-hand, so get the right connectors for any size wire gauge you have.

Solderless Terminals on page 66

* Web Code: TSQ

* Order in multiples of 10

Part No.	Manufacturer	Type	Insulation	Stud Size / Size	AWG	Color	1	10	100
103588	ValuePro	Spade Tongue	Vinyl	#6	22-16	Red	*	\$.17	\$.15
103684	ValuePro	Ring Tongue	Plastic	#6	22-16	Red	*	.19	.15
2160551	ValuePro	Flanged Spade Tongue	Nylon	#8	16-14	Blue	.25	.21	.19
489627	Molex	Quick Connect	Nylon	0.25" x 0.03"	22-18	Red	*	.19	.15
489731	Molex	Quick Disconnect	Nylon	0.25" x 0.03"	16-14	Blue	.29	.25	.19
303183	AMP	Butt Disconnect Splice	Nylon	1.27" x 0.15"	16-14	Blue	.59	.55	.49



Solderless Terminal Crimping Tool

Part No.	Mfr. Part No.	Size (L" x W")	Description	1	10	25
72996	HT-303-R	9.0 x 2.0	10-22 AWG, ratchet mechanism, carbon steel black-oxide finished	\$24.95	\$21.95	\$17.95

3M Heat Shrink Tubing Kits

A selection of heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275°F (135°C).

Heat Shrink Tubing on page 50

2095963		2095971		2095947		285481		645976	
Size	Pieces	Size	Pieces	Size	Pieces	Size	Pieces	Size	Pieces
1/16"	56	1/8"	12	1/16"	56	3/16"	30	3/32"	35
3/32"	35	1/4"	10	3/32"	35	1/4"	28	1/4"	28
1/8"	28	3/8"	6	1/8"	28	3/8"	20	3/16"	21
3/16"	18	1/2"	4	3/16"	18	1/2"	14	1/4"	21
1/4"	9	3/4"	3	1/4"	9	3/4"	6	3/8"	14
3/8"	8	1"	2	3/8"	8	1"	4	1/2"	14

Part No.	Mfr.	Description	Pieces	Length	1	5
2095971	ValuePro	Black, dual wall, moisture resistant	37	4	\$22.95	\$19.95
285481	3M	Black	102	6	79.95	69.95
645976	3M	Black/red/white/yellow/blue/green/clear	133	6	69.95	66.49
2095963	ValuePro	Black	154	4	19.95	17.95
2095947	ValuePro	Black/red/white/yellow/blue/green/clear	154	4	22.95	19.95

2:1 Shrink Ratio

* Web Code: HST



PROBOT Rainbow LED Ring V3

- 12 SMD RGB LEDs
- Brightness and color of each LED can be controlled separately
- I²C/serial communication
- Arduino-compatible
- Stand-alone operation (No microcontroller needed for light script playback)
- Comes with pre-burned bootloader which has several built-in LED scripts

Includes: 7-piece pin header set, jumper wire cable harness



Education & Hobby Kits on pages 155-164

Part No.	Mfr. Part No.	1	5
2195251	DFR0141	\$22.95	\$19.95

Alpec Laser Diode Modules & Laser Pointers

Laser diode modules can be used in a variety of applications from industrial inspection to medical imaging. These modules provide a reliable, accurate source for stable control.

Laser Diode Modules

- Focus adjustable with locking set screw
- Wavelength: 650nm
- Laser fan angle: 60°
- Class IIIA laser product
- Size: 3.3"L x 0.9"Diameter

Module Mount not included



* Web Code: LAZ

Part No.	Mfr.	Description	1	5
143845	ValuePro	5mW Line laser module	\$139.95	\$124.95
173243	ValuePro	5mW Cross hair laser module	149.95	134.95

Laser Pointers

- Class IIIA laser product

223731

Includes: Pen clip, gift box, 2 AAA batteries

Laser Products on pages 26

Part No.	Mfr.	Description	1	5
153605	Alpec	Range: 1600 feet, 670nm Red	\$21.95	\$19.75
223731	Alpec	Range: 6000 feet, 532nm Green	89.95	84.95

Weller LED Soldering Irons

It's time to step into the next generation of high-performance soldering irons with the new line from Weller. They feature 3 LED illumination, co-molded grip for maximum comfort and a triangular handle for precise tip positioning and control.

- High-performance heater technology
- 3 high-temperature LEDs with 25 lumens light intensity
- Cord strain relief for extended life
- Durable cable with 5-foot reach
- 7-year warranty, longest in the industry
- Each iron includes soldering aid tool, tip, and user's manual
- 2174901/2174928 includes soldering aid tool, lead-free solder, and 2 spare soldering tips

NEW MARKED IN PINK

LED Illumination



Soldering Products on pages 136-139

Part No.	Mfr. Part No.	Description	1	5
2174899	SP15NUS	15W soldering iron	\$14.95	\$13.95
2174910	SP25NUS	25W soldering iron	16.95	15.95
2174901	SP25NKUS	25W soldering iron kit	19.95	18.95
2174936	SP40NUS	40W soldering iron	19.95	18.95
2174928	SP40NKUS	40W soldering iron kit	23.95	21.95
2174944	SP80NUS	80W soldering iron	27.95	26.49

* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

3 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com



BeagleBoard Open Development Computer Boards

* Web Code: BGL

Low-cost, fanless single board computers use high speed processors, comparable to a laptop, while staying the size of a credit card. With the open-source capabilities, these boards are perfect for embedded designers, hobbyists, and hackers alike!

- Based on the TI ARM® Cortex™ – A8 processors
- Flexible USB and low-level expansion
- Develop anywhere with low-power operation
- Full-featured Linux operating system
- Integrated 10/100 Ethernet
- Active open-source community with thousands of developers

NEW
MARKED IN PINK

Microcontroller Boards on pages 160-161

2176149

2176131

2176149

Part No.	Mfr. Part No.	Description	Size	Price
2176122	BeagleBoard-xM	1GHz processor, 512MB LPDDR RAM, 4 USB2.0 ports, MMC/SD connector, DVI-D, S-Video ports, 4GB microSD card	3.25" x 3.25"	\$148.95
2176131	BeagleBone	720MHz processor, 256MB DDR2 RAM, USB2.0 port, on-board USB-to-serial/JTAG, 3.3V I/O expansion headers, 2GB microSD card	3.4" x 2.1"	88.95
2176149	BeagleBone Black	>800MHz processor, 512MB DDR3, USB2.0 port, serial interface header, microHDMI port, on-board 2GB flash, 2GB microSD card	3.4" x 2.1"	44.95



AC-to-DC Switching LED Power Supplies

These power supplies can be used in many diverse applications from LED billboards to simple house lighting. Use them safely outdoors with the rated enclosures made for harsh conditions.

LED Power Supplies on page 113

* Web Code: LPP

LPV Series

CLG Series

LPC Series

Part No.	Mfr. Part No.	Output Volts @ Curr.	Pwr (W)	Input Volt. (VAC @ Hz)	Size (L" x W" x H")	Encl. Rating	Load Reg. (±%)	Line Reg. (±%)	Certification	1	5
2102596	LPV-20-12	+12V @ 0-1.7A	20	90-264 @ 47-63	4.6 x 1.4 x 1.0	IP67	2.0	1.0	UL/CUL/TUV/CSA/CE	\$11.95	\$10.95
2103142	LPV-35-12	+12V @ 0-3A	36	90-264 @ 47-63	5.8 x 1.6 x 1.2	IP67	2.0	1.0	UL/CUL/TUV/CSA/CE	18.49	16.49
2102609	LPV-20-15	+15V @ 0-1.3A	20	90-264 @ 47-63	4.6 x 1.4 x 1.0	IP67	2.0	1.0	UL/TUV/CE	11.95	10.95
1585872	CLG-100-24	+24V @ 0-4A	96	90-295 @ 47-63	8.7 x 2.7 x 1.5	IP67	2.0	1.0	UL/CUL/TUV/CE/PFC	69.95	62.95
1954885	CLG-150-24A	+24V @ 0-6.3A	150	90-295 @ 47-63	8.7 x 2.7 x 1.5	IP65	1.0	0.5	UL/TUV/CE	74.95	67.95
2102051	CLG-150-30B	+30V @ 5A	150	90-295 @ 47-63	8.7 x 2.7 x 1.5	IP67	0.5	0.5	UL/TUV/CE/PFC	74.95	67.95
2101121	LPC-20-350	+48V @ 0-0.35A	16.8	90-264 @ 47-63	4.6 x 1.4 x 1.0	IP67	2.0	1.0	UL/CUL	12.95	11.49



Speakers and Buzzers

Sound output comes in many different tones, clicks, screeches, and dings. Jameco has just the right tool for all of your projects, big or small, to help you start making some noise.

- 99996: Paper diaphragm with 1.8" diameter magnet
- 123538: Dual continuous fast pulse tone

Speakers and Buzzers on pages 78-79



1956784



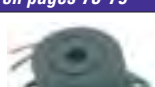
99996



76065



123538



76021

Part No.	Mfr.	Type	Operating Voltage	Frequency	Sound Output	Size	1	10	100
1956784	Velleman	Piezo transducer	15-30VAC @ 1.5mA	0.5-20 kHz	75dB	2.0"Dia.	\$3.25	\$2.95	\$2.75
99996	ValuePro	Square ferrite speaker	Input power: 3.0W nominal	300-14,000 Hz	95dB	2.6"Dia. x 0.9"D	2.95	2.75	2.49
76065	ValuePro	Magnetic buzzer	5V @ 30mA	2300 Hz	85dB	0.35"H x 0.46"Dia.	3.25	2.95	2.75
123538	ValuePro	Piezo buzzer annunciator	4-28V @ 20mA	2900 Hz	85dB	1.4"H x 1.7"Dia.	3.95	3.49	2.95
76021	ValuePro	Piezo buzzer annunciator	1.5-28V @ 20mA	3500 Hz	95dB	1.0"H x 1.1"Dia.	3.95	3.49	2.95



12V LiFePO4 Rechargeable Batteries

- Drop-in replacements for Lead Acid batteries
- Last 5 times longer and half the weight of SLA
- Perfect for motorcycle starter, 12VDC power, medical equipment, LED light power supply, and solar power
- Works with existing charging systems.
- 0.25" quick connect

* Web Code: LIF

2170281



Batteries on pages 117-120

Part No.	Mfr. Part No.	Amp-Hrs	Size (L" x W" x H")	1	10
2170281	LFP128045	4.5	3.5 x 2.7 x 4.2	\$69.95	\$64.95
2170290	LFP128075	7.5	5.9 x 2.6 x 3.9	119.95	113.95
2170302	LFP128100	10	5.9 x 3.9 x 3.9	149.95	142.95
2170311	LFP128120	12	5.9 x 3.9 x 3.9	169.95	159.95
2170329	LFP128198	19.8	7.1 x 3.0 x 6.5	279.95	264.95



SPDT Round Keylock Switch

- Switch configuration: SPDT (on-on)
- 2 positions, 4 terminals • Angle of throw: 90° turn
- Actuator type: tubular
- Contact voltage: 250VAC nominal
- Contact current: 1A @ 125VAC max.
- Zinc alloy die-cast housing and cylinder, bright chrome-plated

Switches on pages 67-72



Part No	Description	1	10
2172025	Round barrel and 2 keys	\$4.95	\$4.49

* Web Code: RAN

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Passive Heat Sinks and Heat Sink Compounds

When ICs heat up, they are prone to failure if proper temperature regulation is not applied. Keep your power circuit in safe operating condition with these heat dissipating passive heat sinks and heat sink compounds.



326713



326596



2077335



615304



16513



169252

Heat Sinks

Heat Sinks & Heat Sink Compounds on page 18

* Web Code: JAB

Part No.	Mfr.	Size (L" x W" x H")	1	10	100
16513	ValuePro	4.75 x 1.50 x 1.25	\$3.75	\$3.25	\$2.75
326713	ValuePro	1.38 x 0.50 x 1.50	.99	.89	.79
326596	ValuePro	0.75 x 0.38 x 0.75	.29	.25	.17
2077335	Aavid Thermalloy	0.73 x 0.25 x 0.19	.49	.45	.39

Heat Sink Compounds

* Web Code: YBA

Part No.	Mfr.	Description	Volume	1	10
615304	GC Electronics	Zinc oxide-filled silicone grease	16 oz.	\$29.95	\$26.95
169252	Techspray	Silicone-free tube	4 oz.	29.95	26.95

DC Brushless and AC Tubeaxial Fans

With a variety of sizes, voltages and configurations, keeping the temperature down should be no problem at all.



*** 5V Fans Web Code: TAS**
*** 24V Fans Web Code: QEF**
*** 12V Fans Web Code: LBZ**
*** AC Fans Web Code: ABJ**

Fans on pages 87-92



Part No.	Manufacturer	Mir. Part No.	Voltage	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Noise (dBA)	Pricing			
										1	10	50	100
2095293	Adda	AD0305HB-D50	5VDC	30 x 30 x 15	3.7	Ball	130	0.65	22.5	\$4.95	\$4.49	\$3.95	\$3.49
1708473	Sunon	KDE1204PFVX11.MS.A	12VDC	40 x 40 x 10	9.5	Vapo	150	1.8	39	5.95	4.95	4.49	3.95
139601	Adda	AD0512HS-D71	12VDC	51 x 51 x 15	12	Sleeve	100	1.2	29	5.95	5.39	4.79	4.29
2150766	Adda	AD0612HB-A72GL	12VDC	60 x 60 x 25	23.2	Ball	230	2.8	32.3	7.95	6.95	5.95	4.95
2120225	YS Tech	FD128025HS	12VDC	80 x 80 x 25	43.7	Sleeve	230	2.8	33.5	3.95	3.59	3.29	2.95
2099972	Delta	AFB1212SHE-4F1A	12VDC	120 x 120 x 38	152	Ball	750	9	55	7.95	6.95	5.95	4.95
1708422	Sunon	KDE2406PHS3	24VDC	60 x 60 x 15	15	Sleeve	50	1.2	31	7.95	6.95	6.25	5.59
2151072	Sunon	SF1212ADBL.GN	115/220VAC	120 x 120 x 38	95/115	Ball	270	21.5	47	12.95	11.95	10.95	9.95



1/4" Shaft Instrumentation Knobs

Every potentiometer needs a knob to go along with it, so get one that will suit your needs with a wide variety available from long aluminum knobs to knobs with knurled shafts.

NEW
MARKED IN PINK



Knobs on page 42

Part No.	Product No.	Body	Pointer	Size (H" x Dia.)	1	10	100
2173677	1400	Black	Black	0.42 x 0.68	\$1.19	\$1.09	\$0.99
264990	JK-901D-R	Black/Aluminum	White	0.47 x 0.78	.95	.85	.75
102788	JK903C-R	Black	White	0.54 x 1.25	.75	.65	.55
2173669	1510AH	Black	White	0.57 x 0.76	1.35	1.19	1.09
265077	JK-905C-R	Black/blue	White	0.58 x 0.57	.99	.89	.79
138482	45KN031-R	Aluminum	Black	0.61 x 0.65	2.49	2.25	1.95
264883	RN-112A-R	Black/Aluminum	Numeric	0.90 x 1.46	.99	.89	.79

* Web Code: EBD



Flexible Resistance Sensors

These sensors detect force or pressure, exhibiting a decrease in resistance when force is applied. Perfect for robotics, biometrics, and human touch control.

2128260/2136471: Force-sensing polymer thick film control

2124867: Bidirectional flex sensor

Sensors on page 77

Part No	Resistance Range	Size	1	10
2124867	20kΩ to 50kΩ	4.5"L x 0.38"W	\$9.95	\$8.95
150551	60kΩ to 100kΩ	4.4"L x 0.25"W	12.95	11.49
2128260	100kΩ to >1MΩ	0.72"Dia. x 1.4"L	7.95	7.25
2136471	200Ω to >1MΩ	1.7"W x 1.5"L	8.95	8.49

Pre-Sensitized Circuit Boards & Developer

These positive-acting PC boards use FR4 fiberglass substrate. They can be easily exposed using a 100W light bulb and a positive acting developer.

- Pre-coated copper layer board
- Copper wt.: 1 oz.
- Peel-off protective plastic cover
- Only 1/16" thick
- FR4 fiberglass substrate

Prototyping & Circuit Boards on pages 146- 148

Part No.	Mfr. Part No.	Description	1	10	50
156751	14-034	Single sided (3.0"L x 4.0"W)	\$5.49	\$4.95	\$4.49
2161326	14-046	Single sided (4.0"L x 6.0"W)	6.95	6.49	5.95
156742	14-234	Double sided (3.0"L x 4.0"W)	5.95	5.49	4.95
2161342	14-266	Double sided (6.0"L x 6.0"W)	9.49	8.95	8.49
156734	12-404*	4 oz. positive developer	17.95	16.95	15.49

* UPS ground only

* Web Code: CTB

.100" (2.54mm) Male Headers

These standard-sized headers provide all the accessibility you need for your inputs and outputs. The brass contacts and gold plating ensure great contacts and are easy to solder.

- Current rating: 3A
- Insulation resistance: 5000MΩ min.
- Size (AxBxC): .23" x .10" x .12"
- Gold plating



Headers on page 57

Part No.	Type	Positions	* Order in multiples of 10		
			1	10	100
67821	Straight double row	10	\$0.39	\$0.35	\$0.29
53576	Right angle double row	20	.59	.55	.45
2076893	Straight triple row	36	.35	.29	.25
103271	Right angle single row	36	.95	.79	.65
160882	Straight single row	40	.75	.65	.59

† Low profile

KAE Industrial Motion Controllers for Brush, Brushless & Stepper Motors

323942:

- For brush-type DC motors with 2 or 3 channel incremental encoders
- P.I.D. Servo control, trapezoidal position profiling, velocity mode, 32-bit resolution
- Integrated 12 to 48VDC supply power amplifier @ 3A continuous, 6A peak
- Limit switch inputs, general purpose analog input, PWM, DIR output for use with external amps

323951:

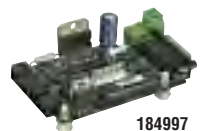
- For 3-phase brushless motors with hall effect sensors or conventional DC brush-type motors
- Amplifier capable of driving 6A continuously @ up to 48VDC
- High current amplifier: 7A continuous, 10A peak, 12 to 48VDC supply
- Support for linear & circular interpolation using the PIC-SERVO CMC chipset

184997:

- Trapezoidal position profiling, velocity mode, up to 50,000 steps/sec.
- Full/half step bipolar chopper drive, 2A per phase, 7.5 to 46VDC supply
- Integrated indexer and driver for 2 or 4 phase stepper motors

Motor Controllers on page 85

Part No.	Description	Size (L" x W" x H")	1	5
184997	PIC-STEP motor control board	3.1 x 2.1 x 0.9	\$159.95	\$151.95
323942	PIC-SERVO motor control board	3.1 x 2.1 x 0.9	159.95	151.95
323951	PIC-SERVO 3-phase motor control board	3.1 x 3.1 x 0.9	239.95	227.95



* For additional products, availability, and additional specifications visit Jameco.com and enter the web code in the product search box

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Available Online: Large Selection of Hard To Find 7400, Linear and CD4000 Integrated Circuits

FLUKE Fluke Multimeter Combos and IR Thermometer

* Web Code: HBK

You need more than just a multimeter to be fully equipped for troubleshooting. Purchase a kit to save money on the components and solve all your electronics problems.

- True RMS AC voltage and current for accurate measurements
- CAT IV 600V and CAT III 1000V electrical safety rated
- Capacitance, frequency, diode test, temperature measurement functions

NEW
MARKED IN PINK

2173634

2173642

2173651

Digital Multimeters on pages 121-125

Part No.	Mfr. Part No.	Description	Price
2173634	FLUKE-87-5/E2 KIT	87V Multimeter with test leads, test probes, retractable alligator clips, magnetic hanger, temperature probe, and carrying case	\$474.95
2173642	FLUKE-179/1AC-II KIT	179 Multimeter with 1ACII voltage detector, test leads, test probes, alligator clips, magnetic hanger, temperature probe, and carrying case	349.95
2173651	FLUKE-62 MAX	Handheld infrared thermometer, IP54 rated, 10:1 optical resolution, temperature range: -22°F to +932°F, power source: AA battery (included)	99.95



Microcontroller ICs

These 8-bit microcontrollers are the brains behind the devices we use everyday from phones to medical devices. Built-in memory and multiple I/O's offer an even wider spectrum of the endless applications.

Microcontrollers on page 9

* Web Code: PAV

DIP-8

DIP-18

Part No.	Mfr.	Mfr. Part No.	Package	Description	1	10
223790	Microchip	PIC12F629-I/P	DIP-8	8-bit CMOS, 1k Flash, 20MHz, 64 bytes SRAM, 128 bytes EEPROM, 6 I/Os	\$.95	\$.89
145111	Microchip	PIC16F84A-04/P	DIP-18	8-bit, 1k Flash, 10MHz, 68 bytes RAM, 64 bytes EEPROM, 13 I/Os	3.55	3.45
204089	Atmel	AT89C4051-24PC	PDIP-20	8-bit MCU w/ 4kB Flash, 128x8-bit internal RAM, 2.7V-6V, direct LED drive outputs	2.45	2.15
2139111	Atmel	ATMEGA328P-PU	PDIP-28	8-bit AVR MCU w/ 32kB ISP Flash, 20MHz, 6 PWM channels, 23 programmable I/Os	4.95	4.49
168920	Atmel	AT89C52-24PI	PDIP-40	8-bit MCU w/ 8kB ISP Flash, 256x8-bit internal RAM, 0-24MHz, 32 programmable I/Os	2.95	2.49
247038	Microchip	PIC16F877A-I/P	DIP-40	8-bit, 8k Flash, 20MHz, 368 bytes SRAM, 256 bytes EEPROM, 33 I/Os	4.85	4.69



Macetech LED Products

NEW
MARKED IN PINK

* Web Code: MTH

LED Products on pages 19-31

Bright and colorful LED products will grab some attention once you build shining displays of daisy-chained LED modules. Incorporate a number of additions to your Arduino with the Centipede add-on PCB shield.

- **2173790/2173811:** 10-bit PWM, current and automatic overtemperature controls
- **2173802:** 8 RGB LEDs with 12-bit PWM independent control
- **2173811:** Right-angle headers, 3 RGB LEDs
- **2173829:** Fits Arduino Uno, Duemilanove, and Diecimila
- LED modules are daisy-chainable using 6-pin cable P/N 2174872



2173790



2173811



2173802



2173829

Part No.	Mfr. Part No.	Description	1	5
2173790	MTSBR003	Shiftbrite 2.0 RGB LED module, 8000mcd brightness per color, 5.5-9V, integrated voltage regulator, PCB size: 0.8" x 0.8"	\$4.95	\$4.49
2173811	MTMBR002	Megabrite LED module, 40,000mcd brightness per color, 140° angle, 5.5-9V, uses five-chip 100mA wide angle RGB LEDs	9.95	9.49
2173802	MTCT001	Octobrite CYANEA 2.0 LED module, 6000mcd brightness per color, 5V, based on a TI TLC5947 24-channel PWM LED driver	19.95	18.95
2173829	MTCE001	Centipede add-on PCB shield, I ² C interface, provides 64 GPIO pins, 5V, pins are wired to 2x10 headers, headers unsoldered	24.95	22.49